

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

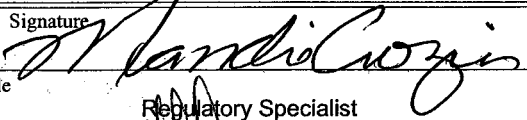
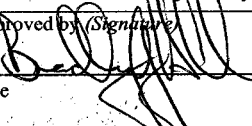
FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-10760
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Pleasant Valley Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Pleasant Valley Federal G-8-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43013-33883
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SW/NW 2112' FNL 551' FWL At proposed prod. zone 1320' FNL 1316' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximately 14.4 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 8, T9S R17E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 0' f/lse, 1316' f/unit	16. No. of Acres in lease 280.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1588'	19. Proposed Depth 6070'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5306' GL	22. Approximate date work will start* 1st Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 12/11/07
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 01-31-08
Title Officer	ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

RECEIVED

JAN 14 2008

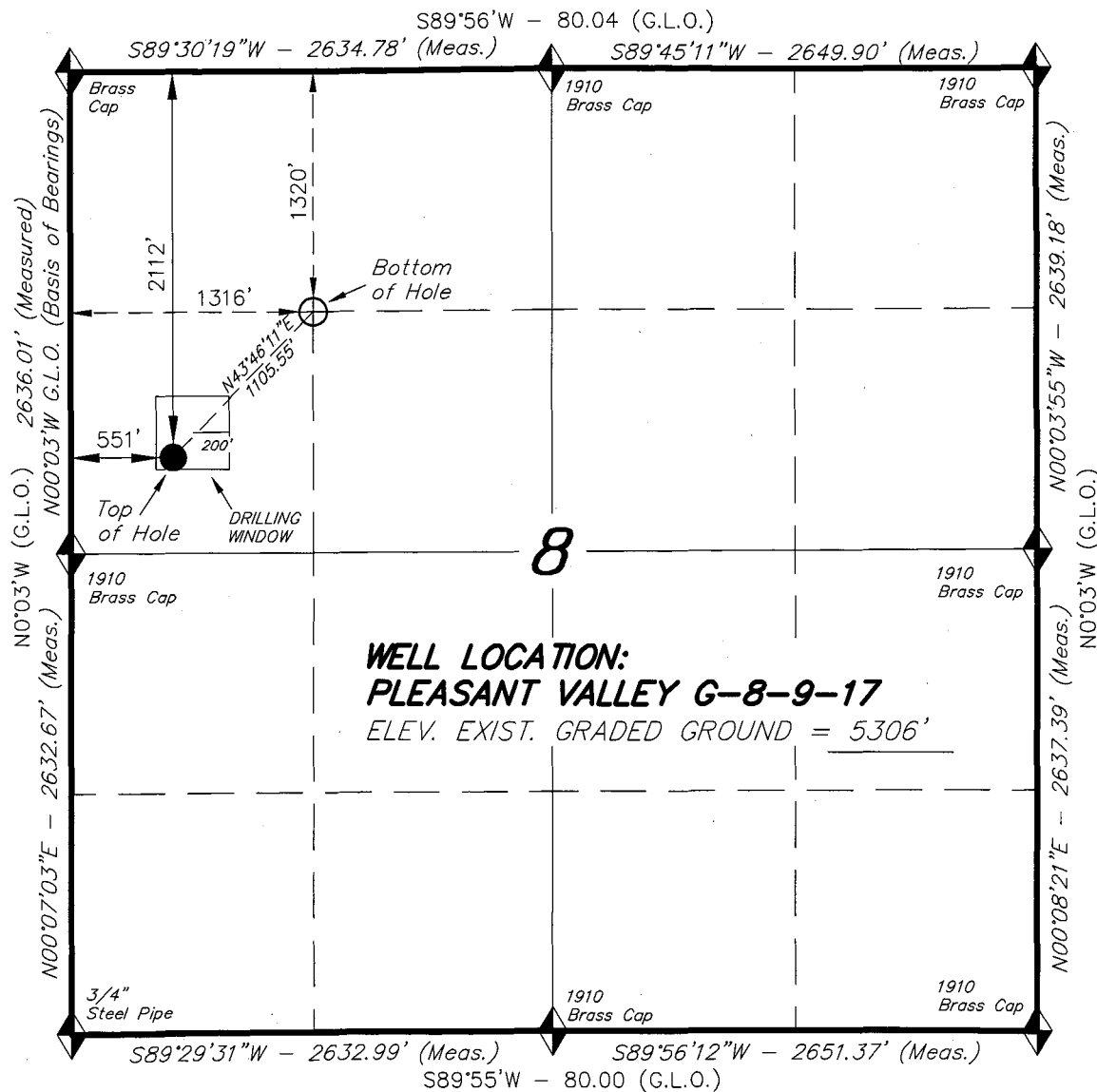
DIV. OF OIL, GAS & MINING

Surf  
582134X  
44331904  
40.046839  
- 110.037160

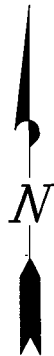
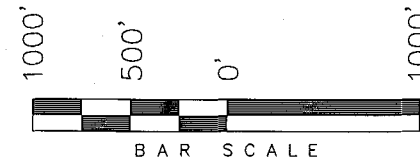
Bill  
582364X  
4433434  
40.049020  
- 110.034435

**T9S, R17E, S.L.B.&M.**

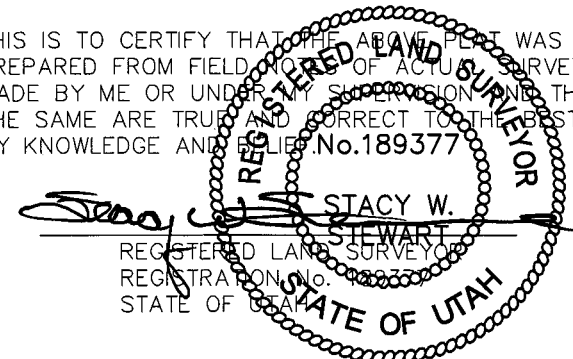
**NEWFIELD PRODUCTION COMPANY**



WELL LOCATION, PLEASANT VALLEY  
 G-8-9-17, LOCATED AS SHOWN IN THE  
 SW 1/4 NW 1/4 OF SECTION 8, T9S, R17E,  
 S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
 U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**PLEASANT VALLEY G-8-9-17**  
**(Surface Location) NAD 83**  
 LATITUDE =  $40^{\circ} 02' 48.66''$   
 LONGITUDE =  $110^{\circ} 02' 16.52''$

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

DATE SURVEYED: 09-05-07	SURVEYED BY: R.R.
DATE DRAWN: 10-22-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

**NEWFIELD PRODUCTION COMPANY  
PLEASANT VALLEY FEDERAL #G-8-9-17  
AT SURFACE: SW/NW SECTION 8, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2090'
Green River	2090'
Wasatch	6070'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 2090' – 6070' - Oil

**4. PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

**8. TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

**9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

**10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.



**Scientific Drilling**  
Rocky Mountain Operations

Project: Duchesne County, UT  
Site: Pleasant Valley G-8-9-17  
Well: Pleasant Valley G-8-9-17  
Wellbore: OH  
Design: Plan #1

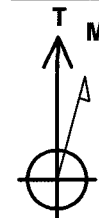
**NEWFIELD**



**Newfield Exploration Co.**

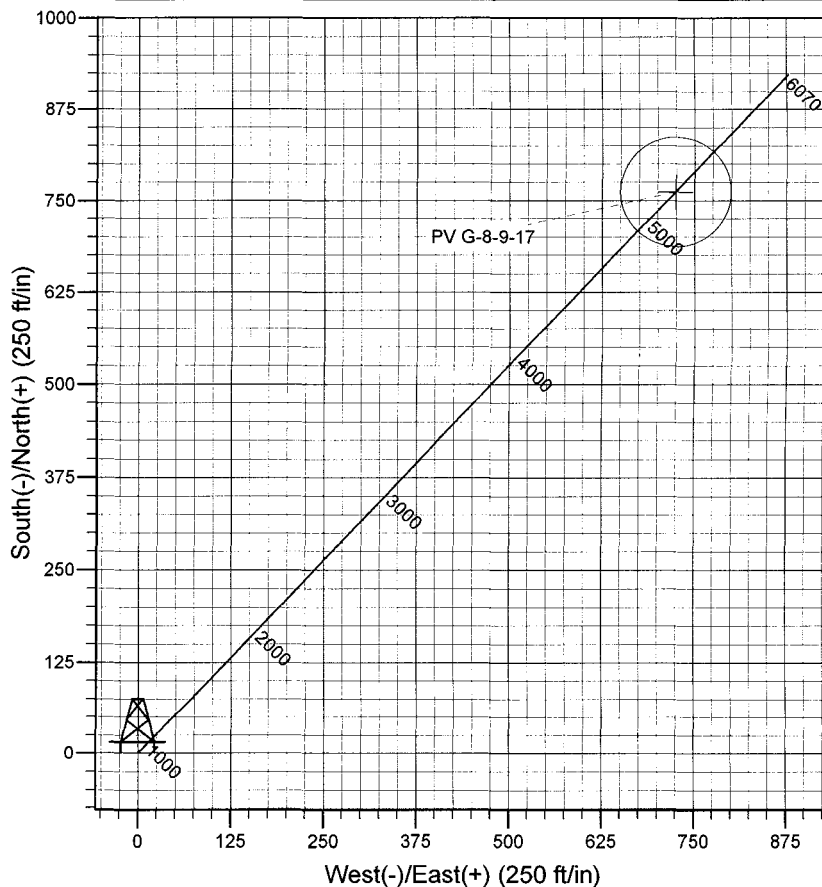
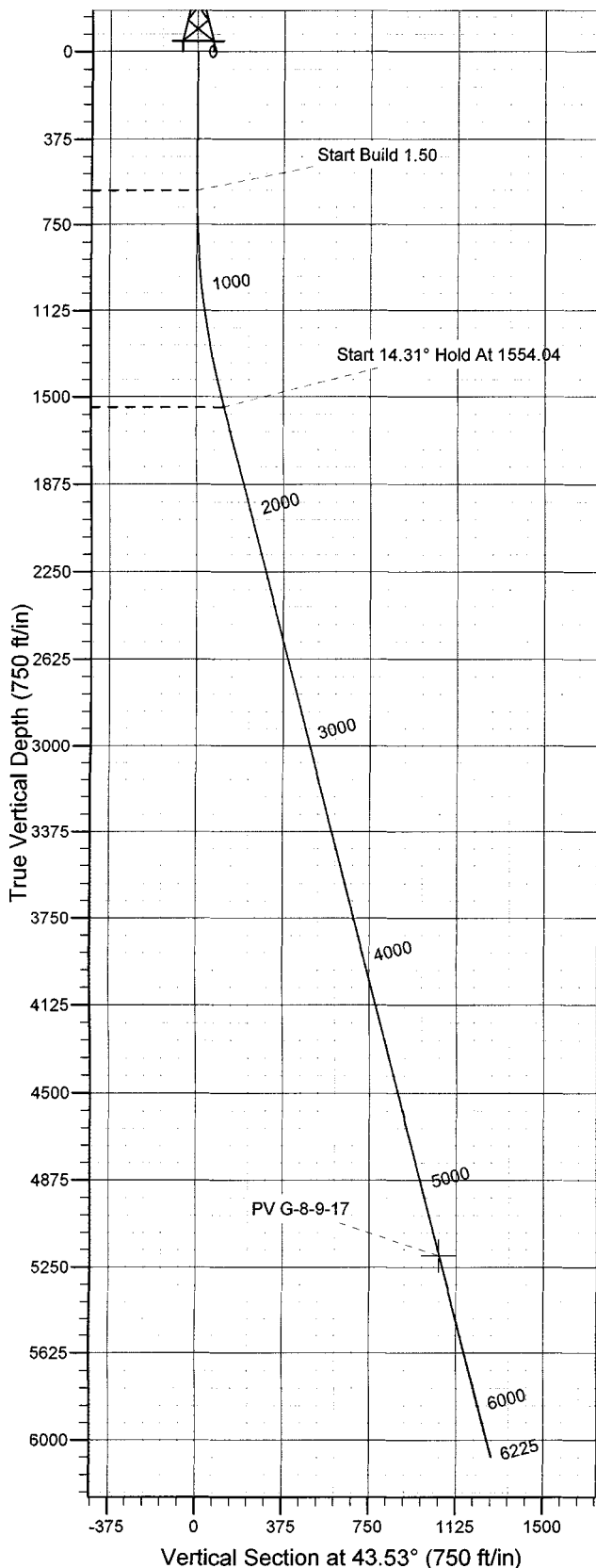
WELL DETAILS: Pleasant Valley G-8-9-17

GL 5306' & RKB 12' @ 5318.00ft (NDSI 2) 5306.00  
Northing Easting Latitude Longitude Slot  
0.00 0.00 7189148.49 2049703.95 40° 2' 48.660 N 110° 2' 16.520 W



Azimuths to True North  
Magnetic North: 11.74°

Magnetic Field  
Strength: 52645.9nT  
Dip Angle: 65.90°  
Date: 2007-12-13  
Model: IGRF2005-10



FORMATION TOP DETAILS

Plan: Plan #1 (Pleasant Valley G-8-9-17/OH)

Created By: Rex Hall Date: 2007-12-13

PROJECT DETAILS: Duchesne County, UT

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone

System Datum: Mean Sea Level  
Local North: True

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
3	1554.04	14.31	43.53	1544.15	85.93	81.64	1.50	43.53	118.53	
4	5326.96	14.31	43.53	5200.00	762.00	724.00	0.00	0.00	1051.11	PV G-8-9-17
5	6224.82	14.31	43.53	6070.00	922.89	876.87	0.00	0.00	1273.04	

# **Newfield Exploration Co.**

**Duchesne County, UT**

**Pleasant Valley G-8-9-17**

**Pleasant Valley G-8-9-17**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**13 December, 2007**

# Scientific Drilling

## Planning Report

<b>Database:</b>	EDM_OCT_1	<b>Local Co-ordinate Reference:</b>	Well Pleasant Valley G-8-9-17
<b>Company:</b>	Newfield Exploration Co.	<b>TVD Reference:</b>	GL 5306' & RKB 12' @ 5318.00ft (NDSI 2)
<b>Project:</b>	Duchesne County, UT	<b>MD Reference:</b>	GL 5306' & RKB 12' @ 5318.00ft (NDSI 2)
<b>Site:</b>	Pleasant Valley G-8-9-17	<b>North Reference:</b>	True
<b>Well:</b>	Pleasant Valley G-8-9-17	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site	Pleasant Valley G-8-9-17, Sec 8 T9S R17E				
Site Position:		Northing:	7,189,148.50 ft	Latitude:	40° 2' 48.660 N
From:	Lat/Long	Easting:	2,049,703.95 ft	Longitude:	110° 2' 16.520 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.94 °

Well	Pleasant Valley G-8-9-17, 2112' FNL & 551' FWL					
Well Position	+N/-S	0.00 ft	Northing:	7,189,148.49 ft	Latitude:	40° 2' 48.660 N
	+E/-W	0.00 ft	Easting:	2,049,703.95 ft	Longitude:	110° 2' 16.520 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,306.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2005-10	2007-12-13	11.74	65.90	52,646

<b>Design</b>	Plan #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN		<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.00	0.00	0.00	43.53	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,554.04	14.31	43.53	1,544.15	85.93	81.64	1.50	1.50	0.00	43.53	
5,326.96	14.31	43.53	5,200.00	762.00	724.00	0.00	0.00	0.00	0.00	PV G-8-9-17
6,224.82	14.31	43.53	6,070.00	922.89	876.87	0.00	0.00	0.00	0.00	

# Scientific Drilling Planning Report

Database: EDM\_OCT\_1  
Company: Newfield Exploration Co.  
Project: Duchesne County, UT  
Site: Pleasant Valley G-8-9-17  
Well: Pleasant Valley G-8-9-17  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well Pleasant Valley G-8-9-17  
TVD Reference: GL 5306' & RKB 12' @ 5318.00ft (NDSI 2)  
MD Reference: GL 5306' & RKB 12' @ 5318.00ft (NDSI 2)  
North Reference: True  
Survey Calculation Method: Minimum Curvature

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 1.50</b>									
700.00	1.50	43.53	699.99	0.95	0.90	1.31	1.50	1.50	0.00
800.00	3.00	43.53	799.91	3.79	3.61	5.23	1.50	1.50	0.00
900.00	4.50	43.53	899.69	8.54	8.11	11.77	1.50	1.50	0.00
1,000.00	6.00	43.53	999.27	15.17	14.41	20.92	1.50	1.50	0.00
1,100.00	7.50	43.53	1,098.57	23.69	22.51	32.68	1.50	1.50	0.00
1,200.00	9.00	43.53	1,197.54	34.09	32.39	47.03	1.50	1.50	0.00
1,300.00	10.50	43.53	1,296.09	46.37	44.06	63.96	1.50	1.50	0.00
1,400.00	12.00	43.53	1,394.16	60.51	57.49	83.47	1.50	1.50	0.00
1,500.00	13.50	43.53	1,491.70	76.51	72.70	105.54	1.50	1.50	0.00
1,554.04	14.31	43.53	1,544.15	85.93	81.64	118.53	1.50	1.50	0.00
<b>Start 14.31° Hold At 1554.04</b>									
1,600.00	14.31	43.53	1,588.69	94.16	89.47	129.89	0.00	0.00	0.00
1,700.00	14.31	43.53	1,685.58	112.08	106.49	154.60	0.00	0.00	0.00
1,800.00	14.31	43.53	1,782.48	130.00	123.52	179.32	0.00	0.00	0.00
1,900.00	14.31	43.53	1,879.38	147.92	140.54	204.04	0.00	0.00	0.00
2,000.00	14.31	43.53	1,976.27	165.84	157.57	228.76	0.00	0.00	0.00
2,100.00	14.31	43.53	2,073.17	183.76	174.59	253.47	0.00	0.00	0.00
2,200.00	14.31	43.53	2,170.07	201.68	191.62	278.19	0.00	0.00	0.00
2,300.00	14.31	43.53	2,266.96	219.60	208.64	302.91	0.00	0.00	0.00
2,400.00	14.31	43.53	2,363.86	237.52	225.67	327.63	0.00	0.00	0.00
2,500.00	14.31	43.53	2,460.76	255.43	242.69	352.35	0.00	0.00	0.00
2,600.00	14.31	43.53	2,557.66	273.35	259.72	377.06	0.00	0.00	0.00
2,700.00	14.31	43.53	2,654.55	291.27	276.75	401.78	0.00	0.00	0.00
2,800.00	14.31	43.53	2,751.45	309.19	293.77	426.50	0.00	0.00	0.00
2,900.00	14.31	43.53	2,848.35	327.11	310.80	451.22	0.00	0.00	0.00
3,000.00	14.31	43.53	2,945.24	345.03	327.82	475.93	0.00	0.00	0.00
3,100.00	14.31	43.53	3,042.14	362.95	344.85	500.65	0.00	0.00	0.00
3,200.00	14.31	43.53	3,139.04	380.87	361.87	525.37	0.00	0.00	0.00
3,300.00	14.31	43.53	3,235.93	398.79	378.90	550.09	0.00	0.00	0.00
3,400.00	14.31	43.53	3,332.83	416.71	395.92	574.81	0.00	0.00	0.00
3,500.00	14.31	43.53	3,429.73	434.63	412.95	599.52	0.00	0.00	0.00
3,600.00	14.31	43.53	3,526.63	452.55	429.98	624.24	0.00	0.00	0.00
3,700.00	14.31	43.53	3,623.52	470.47	447.00	648.96	0.00	0.00	0.00
3,800.00	14.31	43.53	3,720.42	488.38	464.03	673.68	0.00	0.00	0.00
3,900.00	14.31	43.53	3,817.32	506.30	481.05	698.39	0.00	0.00	0.00
4,000.00	14.31	43.53	3,914.21	524.22	498.08	723.11	0.00	0.00	0.00
4,100.00	14.31	43.53	4,011.11	542.14	515.10	747.83	0.00	0.00	0.00
4,200.00	14.31	43.53	4,108.01	560.06	532.13	772.55	0.00	0.00	0.00
4,300.00	14.31	43.53	4,204.90	577.98	549.15	797.27	0.00	0.00	0.00
4,400.00	14.31	43.53	4,301.80	595.90	566.18	821.98	0.00	0.00	0.00
4,500.00	14.31	43.53	4,398.70	613.82	583.21	846.70	0.00	0.00	0.00
4,600.00	14.31	43.53	4,495.60	631.74	600.23	871.42	0.00	0.00	0.00
4,700.00	14.31	43.53	4,592.49	649.66	617.26	896.14	0.00	0.00	0.00
4,800.00	14.31	43.53	4,689.39	667.58	634.28	920.85	0.00	0.00	0.00
4,900.00	14.31	43.53	4,786.29	685.50	651.31	945.57	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM\_OCT\_1  
**Company:** Newfield Exploration Co.  
**Project:** Duchesne County, UT  
**Site:** Pleasant Valley G-8-9-17  
**Well:** Pleasant Valley G-8-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Pleasant Valley G-8-9-17  
**TVD Reference:** GL 5306' & RKB 12' @ 5318.00ft (NDSI 2)  
**MD Reference:** GL 5306' & RKB 12' @ 5318.00ft (NDSI 2)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,000.00	14.31	43.53	4,883.18	703.42	668.33	970.29	0.00	0.00	0.00
5,100.00	14.31	43.53	4,980.08	721.33	685.36	995.01	0.00	0.00	0.00
5,200.00	14.31	43.53	5,076.98	739.25	702.38	1,019.73	0.00	0.00	0.00
5,300.00	14.31	43.53	5,173.88	757.17	719.41	1,044.44	0.00	0.00	0.00
5,328.96	14.31	43.53	5,200.00	762.00	724.00	1,051.11	0.00	0.00	0.00
<b>PV G-8-9-17</b>									
5,400.00	14.31	43.53	5,270.77	775.09	736.44	1,069.16	0.00	0.00	0.00
5,500.00	14.31	43.53	5,367.67	793.01	753.46	1,093.88	0.00	0.00	0.00
5,600.00	14.31	43.53	5,464.57	810.93	770.49	1,118.60	0.00	0.00	0.00
5,700.00	14.31	43.53	5,561.46	828.85	787.51	1,143.31	0.00	0.00	0.00
5,800.00	14.31	43.53	5,658.36	846.77	804.54	1,168.03	0.00	0.00	0.00
5,900.00	14.31	43.53	5,755.26	864.69	821.56	1,192.75	0.00	0.00	0.00
6,000.00	14.31	43.53	5,852.15	882.61	838.59	1,217.47	0.00	0.00	0.00
6,100.00	14.31	43.53	5,949.05	900.53	855.61	1,242.18	0.00	0.00	0.00
6,200.00	14.31	43.53	6,045.95	918.45	872.64	1,266.90	0.00	0.00	0.00
6,224.82	14.31	43.53	6,070.00	922.89	876.87	1,273.04	0.00	0.00	0.00

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
PV G-8-9-17	0.00	0.00	5,200.00	762.00	724.00	7,189,922.23	2,050,415.40	40° 2' 56.191 N	110° 2' 7.209 W
- plan hits target									
- Circle (radius 75.00)									

### Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
600.00	600.00	0.00	0.00	Start Build 1.50
1,554.04	1,544.15	85.93	81.64	Start 14.31° Hold At 1554.04



**NEWFIELD PRODUCTION COMPANY  
PLEASANT VALLEY FEDERAL #G-8-9-17  
AT SURFACE: SW/NW SECTION 8, T9S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Pleasant Valley Federal #G-8-9-17 located in the SW 1/4 NW 1/4 Section 8, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 11.3 miles  $\pm$  to it's junction with an existing dirt road to the southwest; proceed southwesterly - 1.1 miles  $\pm$  to it's junction with an existing road to the northwest; proceed northwesterly - 0.6 miles  $\pm$  to the beginning of the access road to the existing NGC Federal 12-8H-9-17 well lcoation.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing NGC Federal 12-8H-9-17 well pad. See attached **Topographic Map "B"**.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the NGC Federal 12-8H-9-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Pleasant Valley Federal G-8-9-17. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well

Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Pleasant Valley Federal G-8-9-17 will be drilled off of the existing NGC Federal 12-8H-9-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

**Mountain Plover:** If new construction or surface disturbing activities are scheduled to occur between May 15 and June 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. No new construction or surface disturbing activities will be allowed between May 15 and June 15 within a 0.5 mile radius of any documented mountain plover nest site.

**Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrel Tail	<i>Elymus Elymoides</i>	5 lbs/acre
Crested Wheatgrass	<i>Agropyron Cristatum</i>	5 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	0.5 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	0.5 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.25 lbs/acre

#### **Details of the On-Site Inspection**

The proposed Pleasant Valley Federal G-8-9-17 was on-sited on 11/20/07. The following were present; Dave Allred (Newfield Production), Michael Cutler (Bureau of Land Management), and Scott Ackerman (Bureau of Land Management).. Weather conditions were clear and ground cover was 100% open.

#### **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

##### Representative

Name: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

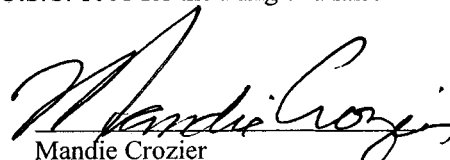
##### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #G-8-9-17 SW/NW Section 8, Township 9S, Range 17E: Lease UTU-10760 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

12/11/07

Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

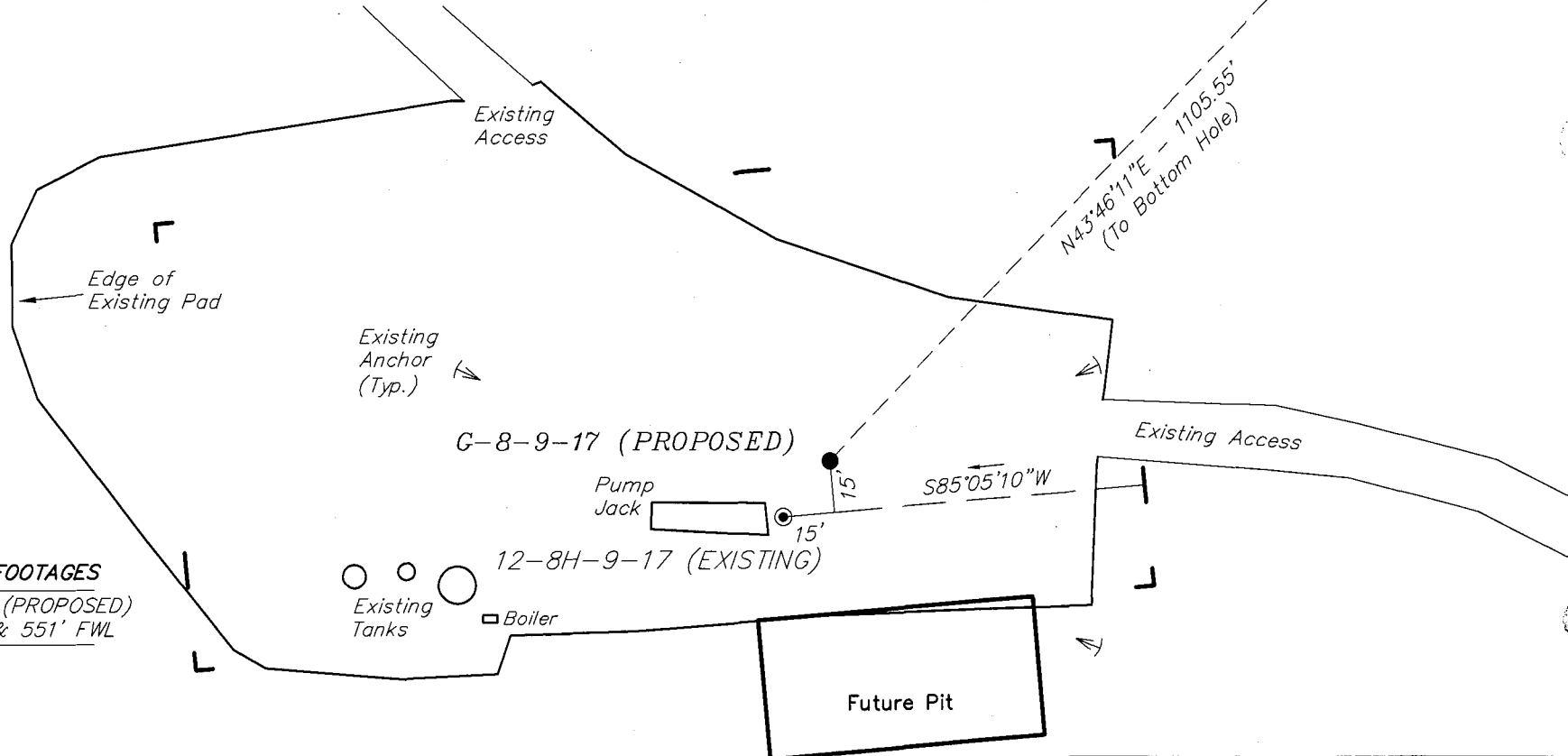
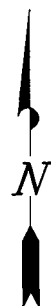
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

PLEASANT VALLEY G-8-9-17 (Proposed Well)

PLEASANT VALLEY 12-8H-9-17 (Existing Well)

Pad Location: SWNW Section 8, T9S, R17E, S.L.B.&M.



### TOP HOLE FOOTAGES

G-8-9-17 (PROPOSED)  
2112' FNL & 551' FWL

### BOTTOM HOLE FOOTAGES

G-8-9-17 (PROPOSED)  
1320' FNL & 1316' FWL

**Note:**  
Bearings are based on  
GLO Information.

### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
G-8-9-17	798'	765'

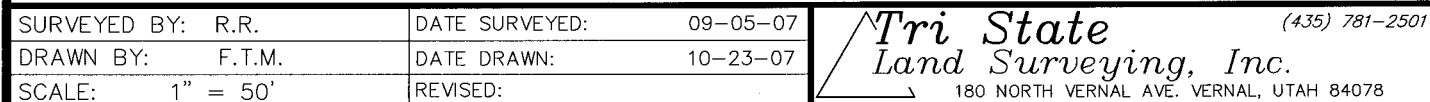
### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
G-8-9-17	40° 02' 48.66"	110° 02' 16.52"
12-8H-9-17	40° 02' 48.49"	110° 02' 16.69"

SURVEYED BY: R.R.	DATE SURVEYED: 09-05-07
DRAWN BY: F.T.M.	DATE DRAWN: 10-23-07
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

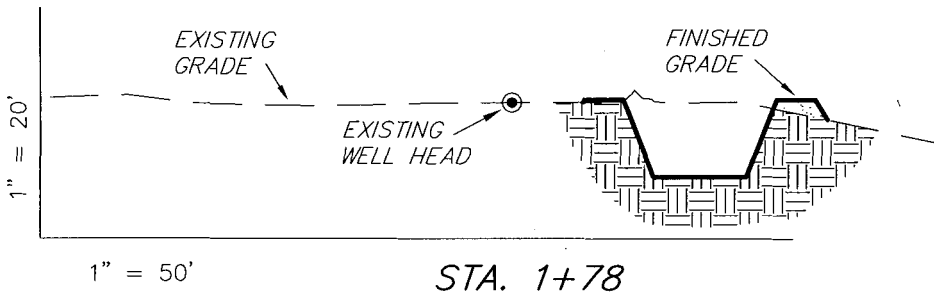
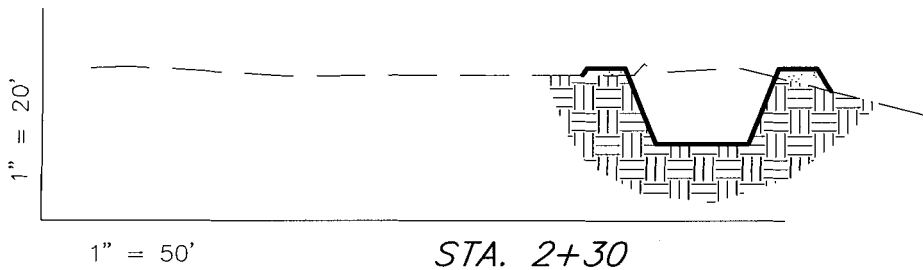
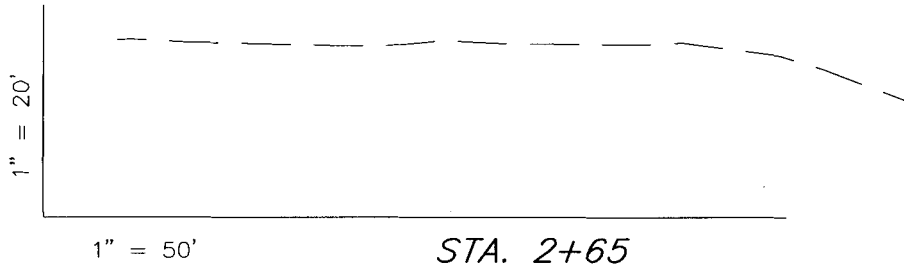
*Pad Location: SWNW Section 8, T9S, R17E, S.L.B.&M.*



# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

PLEASANT VALLEY G-8-9-17 (Proposed Well)  
PLEASANT VALLEY 12-8H-9-17 (Existing Well)



NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	0	160	Topsoil is not included in Pad Cut	-160
PIT	610	0		610
TOTALS	610	160	130	450

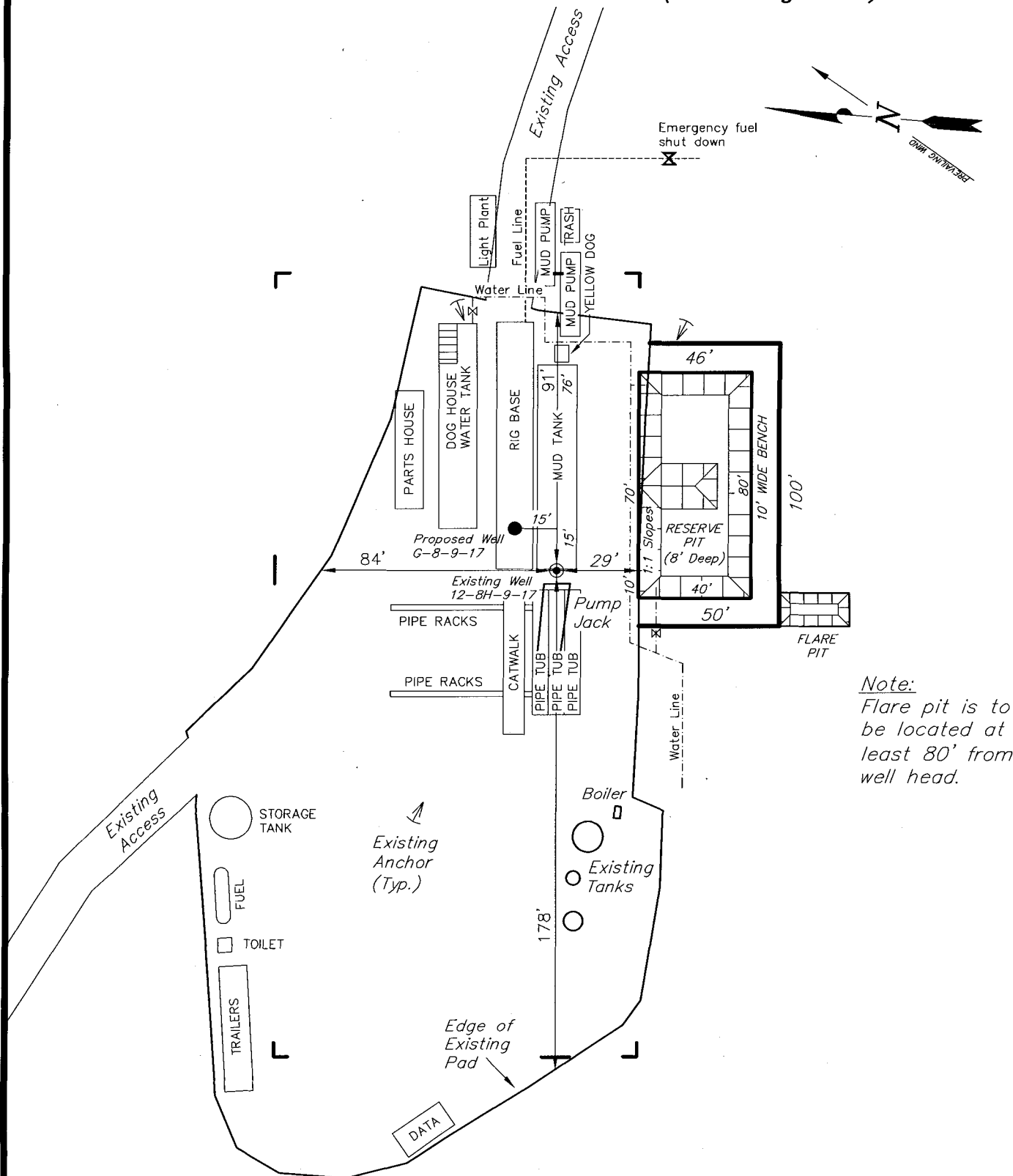
SURVEYED BY: R.R. DATE SURVEYED: 09-05-07  
DRAWN BY: F.T.M. DATE DRAWN: 10-23-07  
SCALE: 1" = 50' REVISED:

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

PLEASANT VALLEY G-8-9-17 (Proposed Well)  
PLEASANT VALLEY 12-8H-9-17 (Existing Well)



Note:  
Flare pit is to be located at least 80' from well head.

SURVEYED BY: R.R.	DATE SURVEYED: 09-05-07
DRAWN BY: F.T.M.	DATE DRAWN: 10-23-07
SCALE: 1" = 50'	REVISED:

(435) 781-2501

**Tri State**  
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# Newfield Production Company Proposed Site Facility Diagram

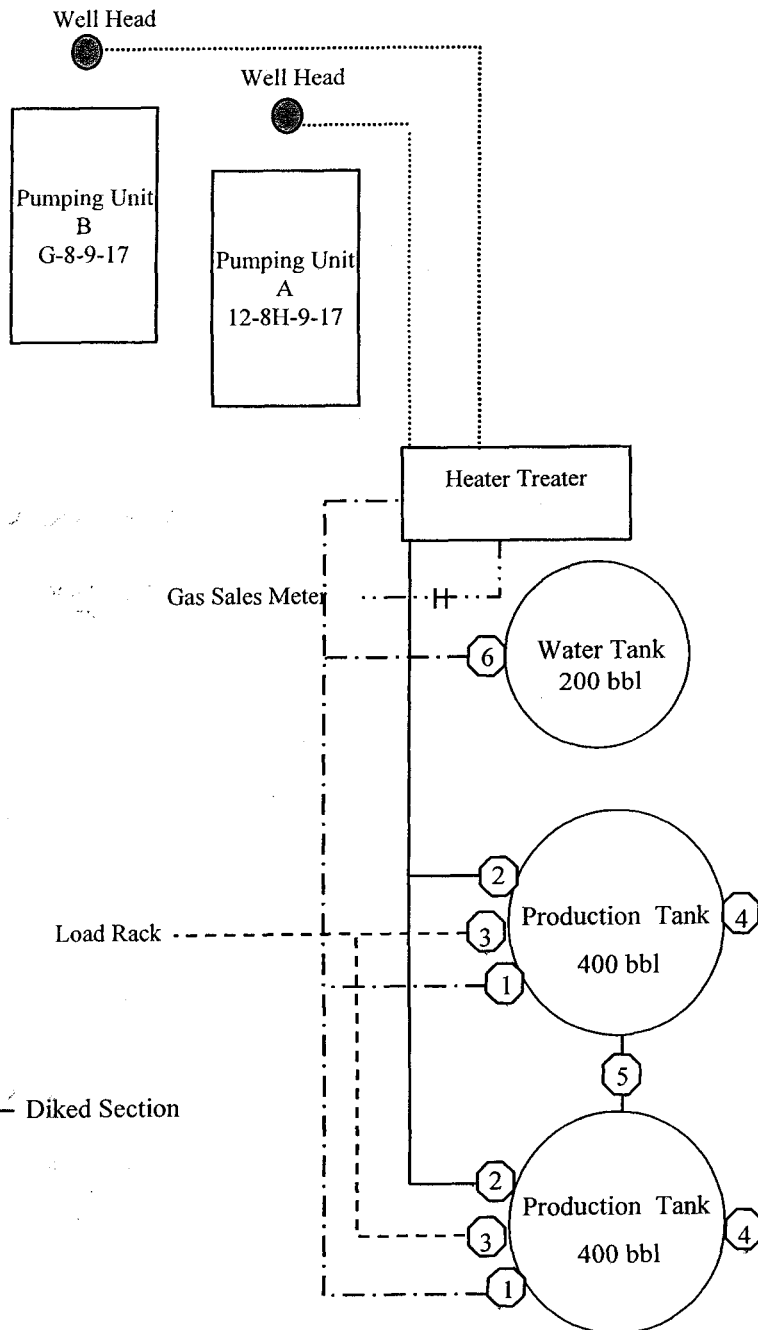
Pleasant Valley Federal G-8-9-17

From the 12-8H-9-17 Location

SE/SW Sec. 8 T9S, R17E

Duchesne County, Utah

UTU-10760



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

## Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

## Sales Phase:

- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

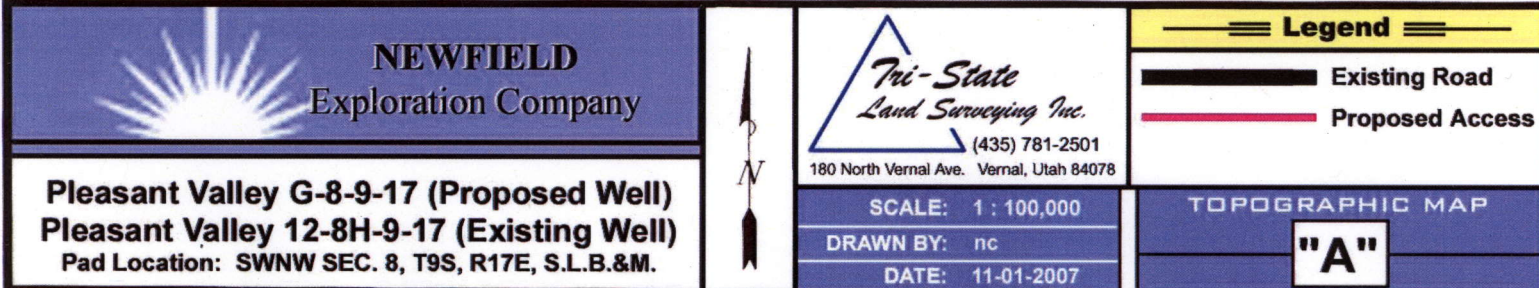
## Draining Phase:

- 1) Valves 1 and 6 open

## Legend

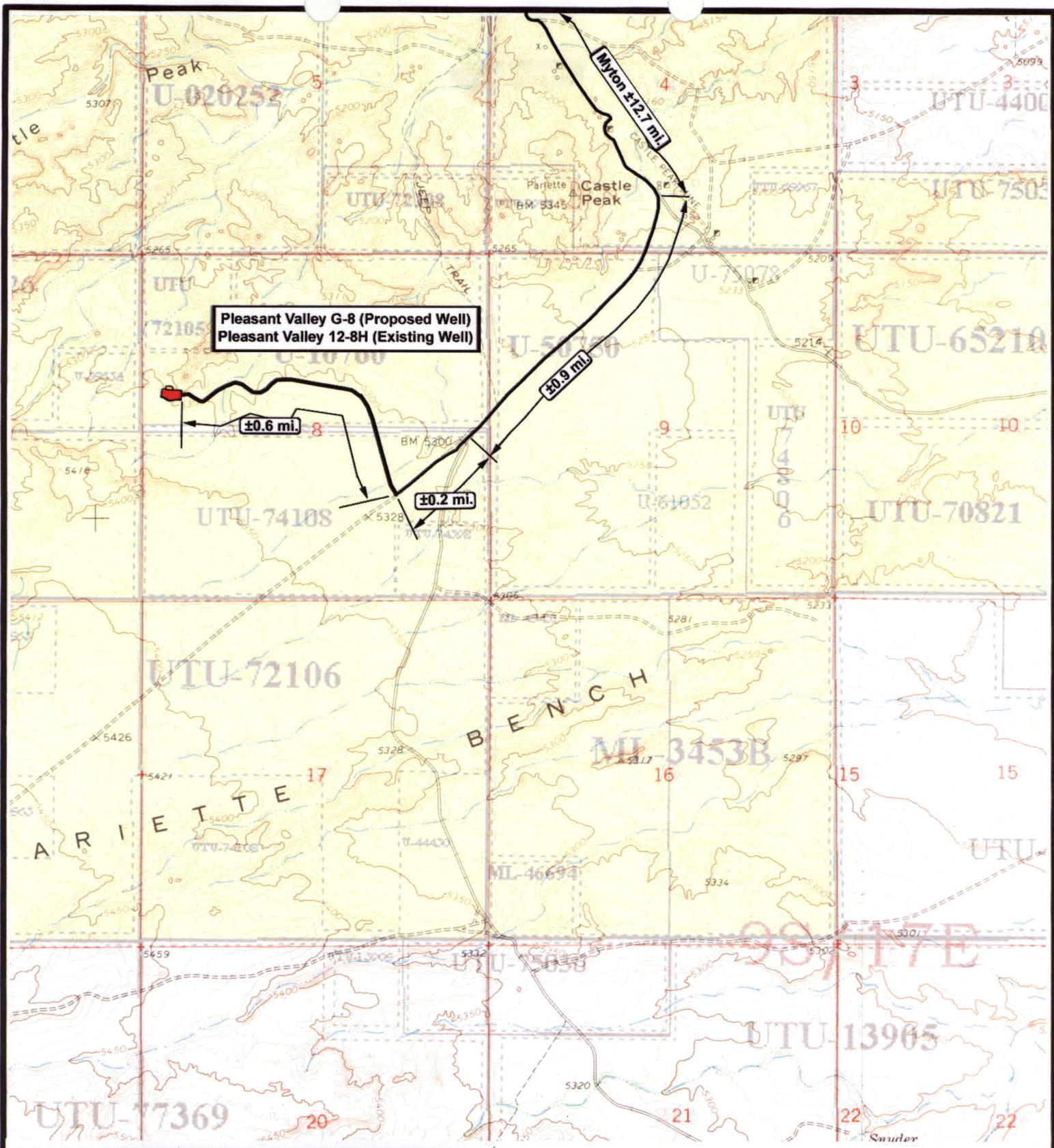
Emulsion Line	.....
Load Rack	-----
Water Line	-----
Gas Sales	-----
Oil Line	-----






"A"







**NEWFIELD**  
Exploration Company

**Pleasant Valley G-8-9-17 (Proposed Well)**  
**Pleasant Valley 12-8H-9-17 (Existing Well)**  
 Pad Location: SWNW SEC. 8, T9S, R17E, S.L.B.&M.






**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: nc  
 DATE: 11-01-2007

**Legend**

 Existing Road

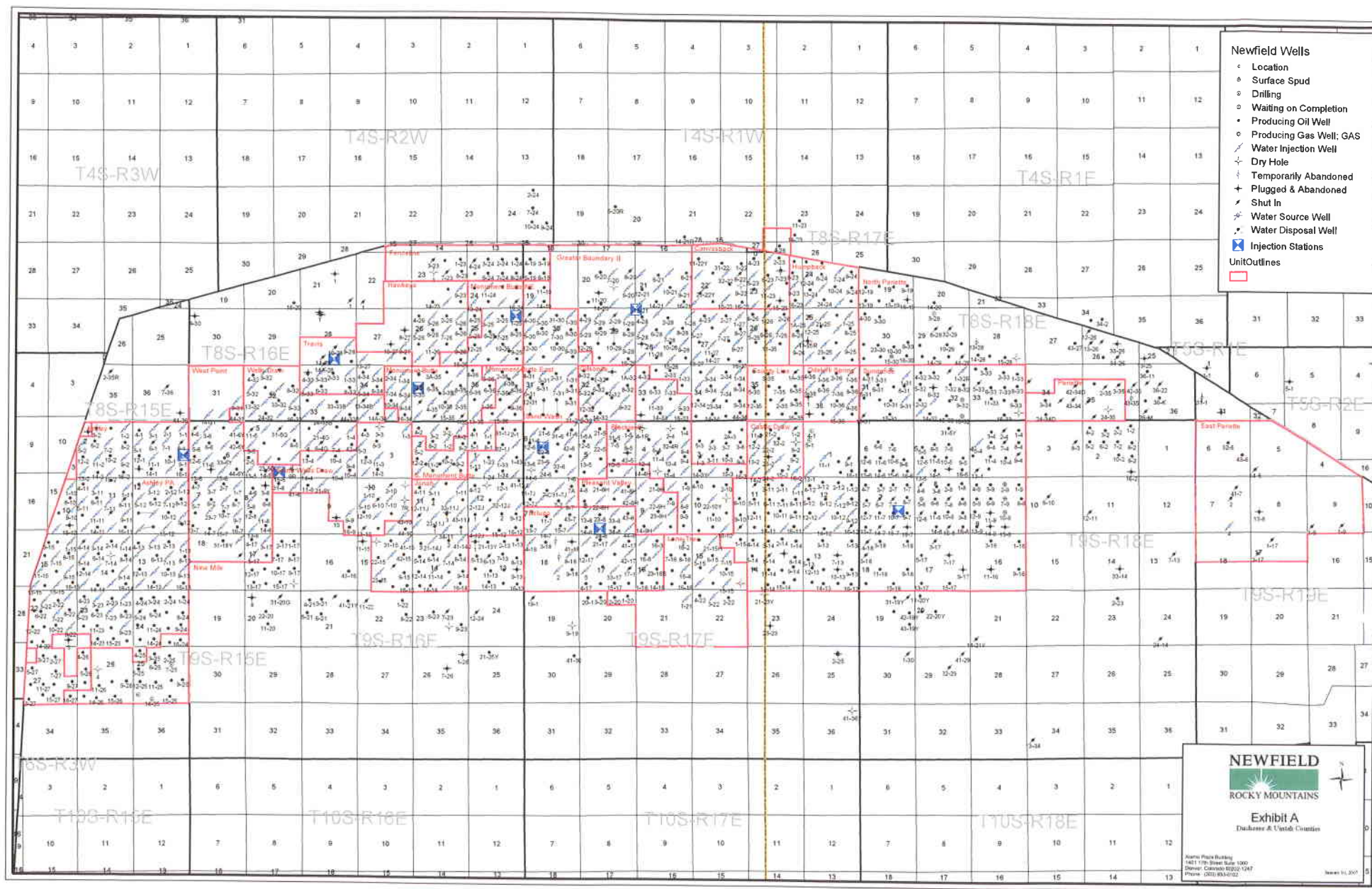
TOPOGRAPHIC MAP

**"B"**

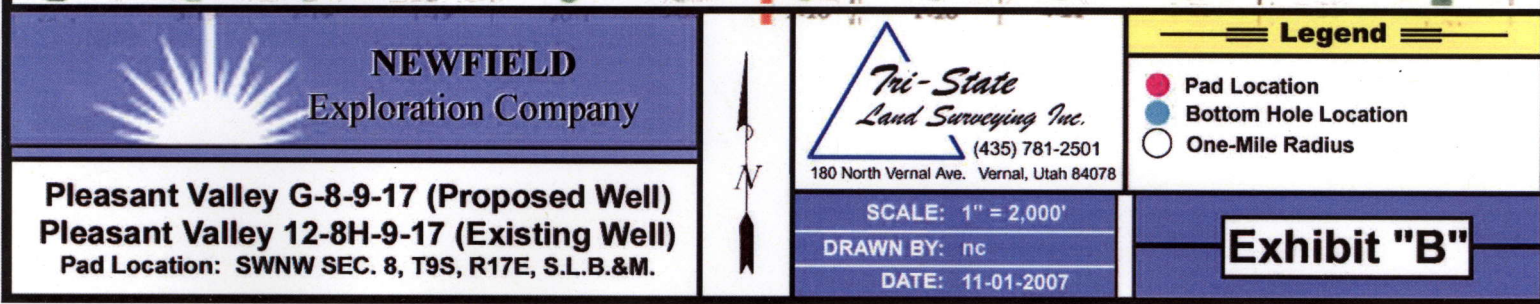












# 2-M SYSTEM

Blowout Prevention Equipment Systems

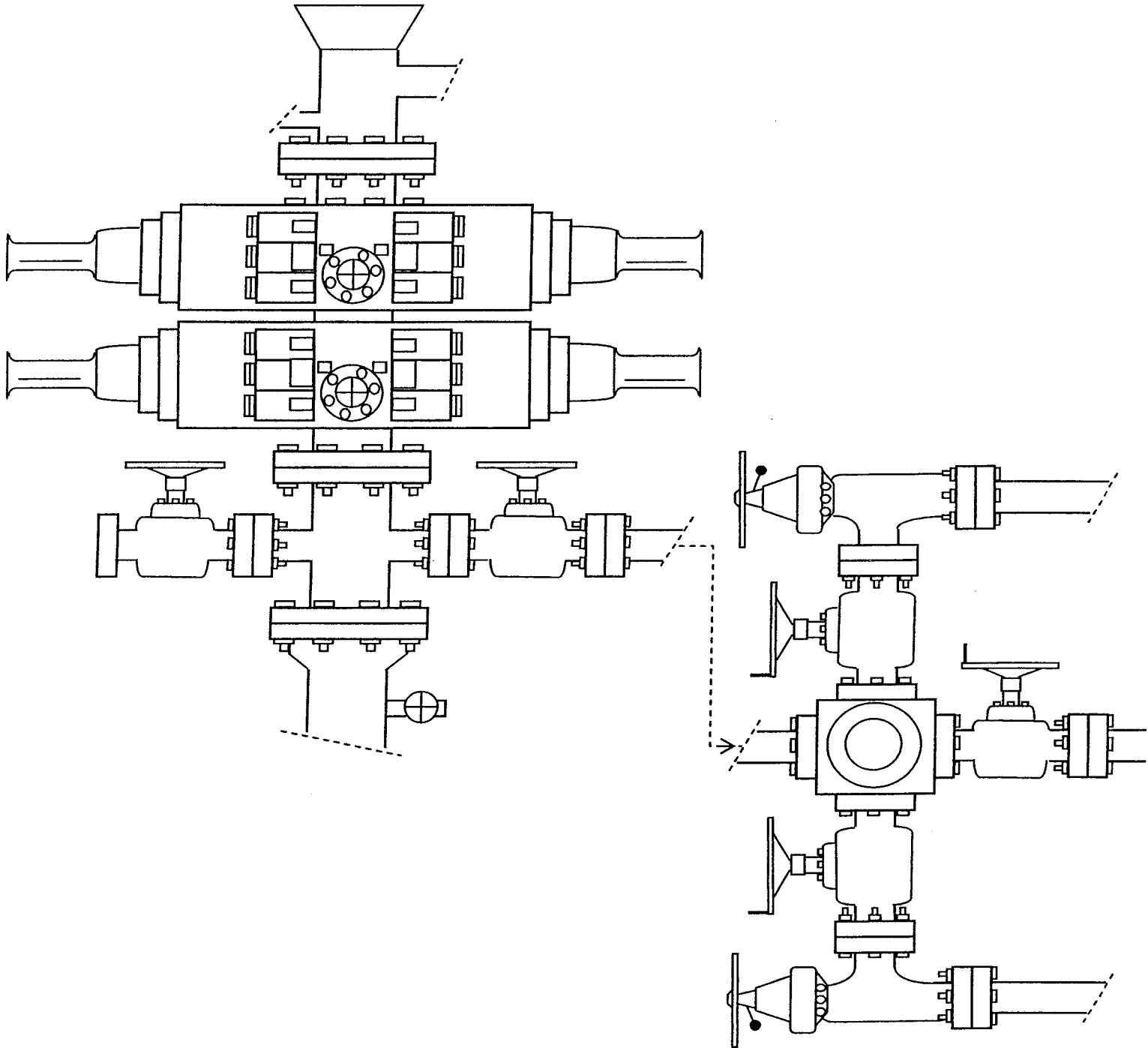


EXHIBIT C



**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/14/2008

API NO. ASSIGNED: 43-013-33883

WELL NAME: PLEASANT VLY FED G-8-9-17  
OPERATOR: NEWFIELD PRODUCTION ( N2695 )  
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SWNW 08 090S 170E  
SURFACE: 2112 FNL 0551 FWL  
BOTTOM: 1320 FNL 1316 FWL  
COUNTY: DUCHESNE  
LATITUDE: 40.04684 LONGITUDE: -110.0372  
UTM SURF EASTINGS: 582134 NORTHINGS: 4433190  
FIELD NAME: MONUMENT BUTTE ( 105 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal  
LEASE NUMBER: UTU-10760  
SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV  
COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

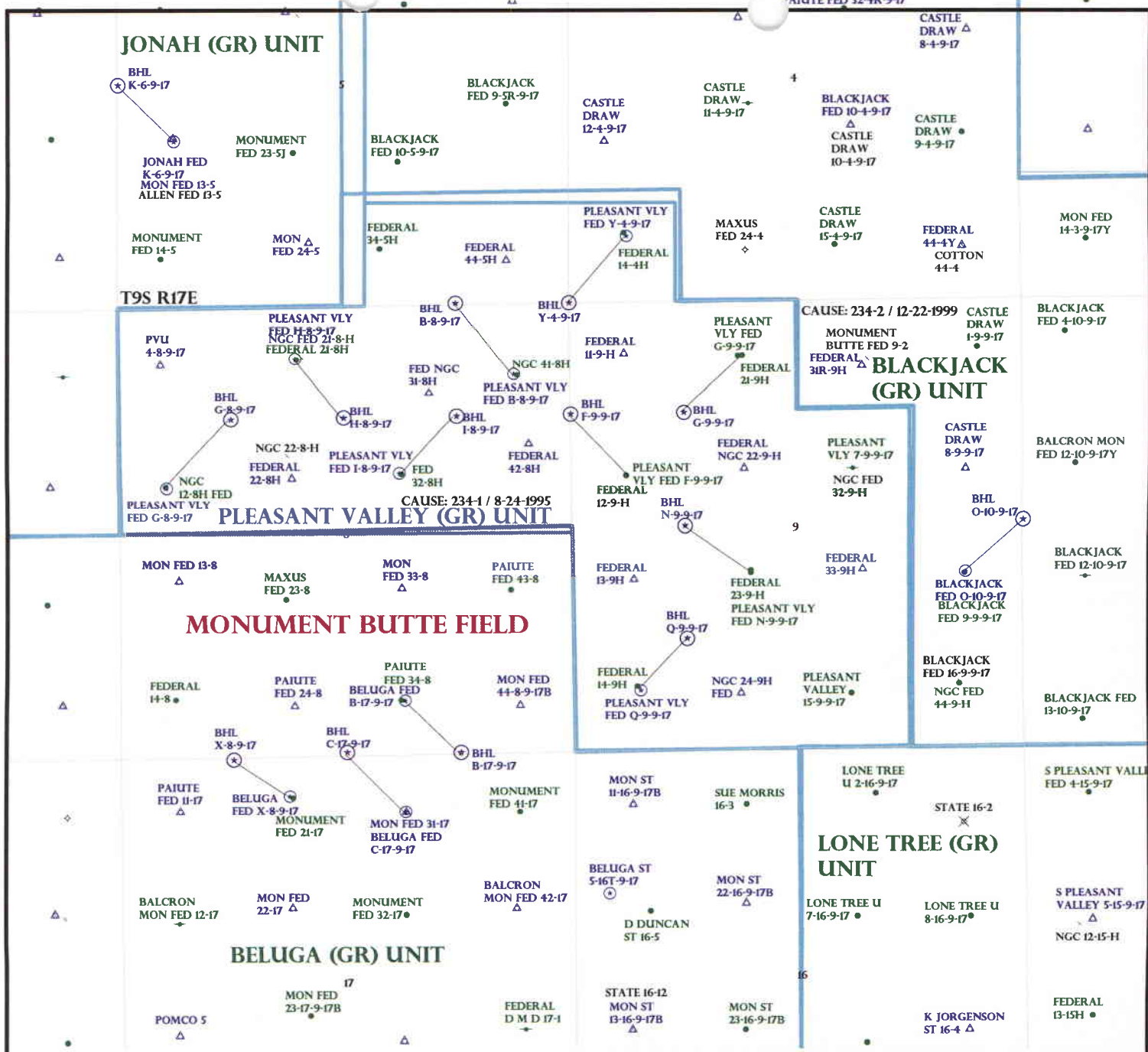
☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-10136 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

       R649-2-3.  
Unit: PLEASANT VALLEY (GR)  
       R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
       R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 234-1  
Eff Date: 8-24-1995  
Siting: Suspends General Siting  
☒ R649-3-11. Directional Drill

COMMENTS: See Separate File

STIPULATIONS: 1- Federal Approval



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 8 T.9S R. 17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 234-1 / 8-24-1995

#### Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

#### Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHEML
- PP OIL
- SECONDARY
- TERMINATED

#### Wells Status

- ✖ GAS INJECTION
- ✖ GAS STORAGE
- ✖ LOCATION ABANDONED
- ✖ NEW LOCATION
- ✖ PLUGGED & ABANDONED
- ✖ PRODUCING GAS
- ✖ PRODUCING OIL
- ✖ SHUT-IN GAS
- ✖ SHUT-IN OIL
- ✖ TEMP. ABANDONED
- ✖ TEST WELL
- ✖ WATER INJECTION
- ✖ WATER SUPPLY
- ✖ WATER DISPOSAL
- ✖ DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 18-JANUARY-2008



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

January 18, 2008

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 Plan of Development Pleasant Valley Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2008 within the Pleasant Valley Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-33883	Pleasant Valley Fed G-8-9-17 Sec 8 T09S R17E 2112 FNL 0551 FWL	BHL Sec 8 T09S R17E 1320 FNL 1316 FWL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File – Pleasant Valley Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:1-18-08



January 25, 2008

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**Pleasant Valley Federal G-8-9-17**  
Pleasant Valley Unit  
UTU-74477X  
Surface Hole: T9S R17E, Section 8: SW/4 NW/4  
2112' FNL 551' FWL  
Bottom Hole: T9S R17E, Section 8:  
1320' FNL 1316' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated December 11, 2007, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Pleasant Valley Federal Unit UTU-74477X. Newfield certifies that it is the Pleasant Valley Unit Operator and all lands within 460 feet of the entire directional well bore are within the Pleasant Valley Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,  
NEWFIELD PRODUCTION COMPANY

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland  
Land Associate

RECEIVED

JAN 31 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-10760

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Pleasant Valley Unit

8. Lease Name and Well No.

Pleasant Valley Federal G-8-9-17

9. API Well No.

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

10. Field and Pool, or Exploratory

Monument Butte

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface

SW/NW 2112' FNL 551' FWL

At proposed prod. zone

1320' FNL 1316' FWL

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 8, T9S R17E

14. Distance in miles and direction from nearest town or post office\*

Approximately 14.4 miles southeast of Myton, Utah

12. County or Parish

Duchesne

13. State

UT

15. Distance from proposed\*

location to nearest

property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 0' f/le, 1316' f/unit

16. No. of Acres in lease

280.00

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\*

to nearest well, drilling, completed,

applied for, on this lease, ft.

Approx. 1588'

19. Proposed Depth

6070'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5306' GL

22. Approximate date work will start\*

1st Quarter 2008

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Title

Regulatory Specialist

Name (Printed/Typed)

Mandie Crozier

Date

12/11/07

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

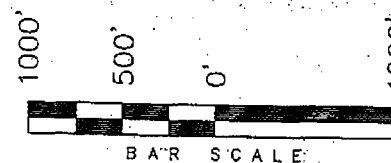
JAN 31 2008

DIV. OF OIL, GAS & MINING

**T9S, R17E, S.L.B.&M.**

**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, PLEASANT VALLEY  
G-8-9-17, LOCATED AS SHOWN IN THE  
SW 1/4 NW 1/4 OF SECTION 8, T9S, R17E,  
S.L.B.&M. DUCHESNE COUNTY, UTAH.



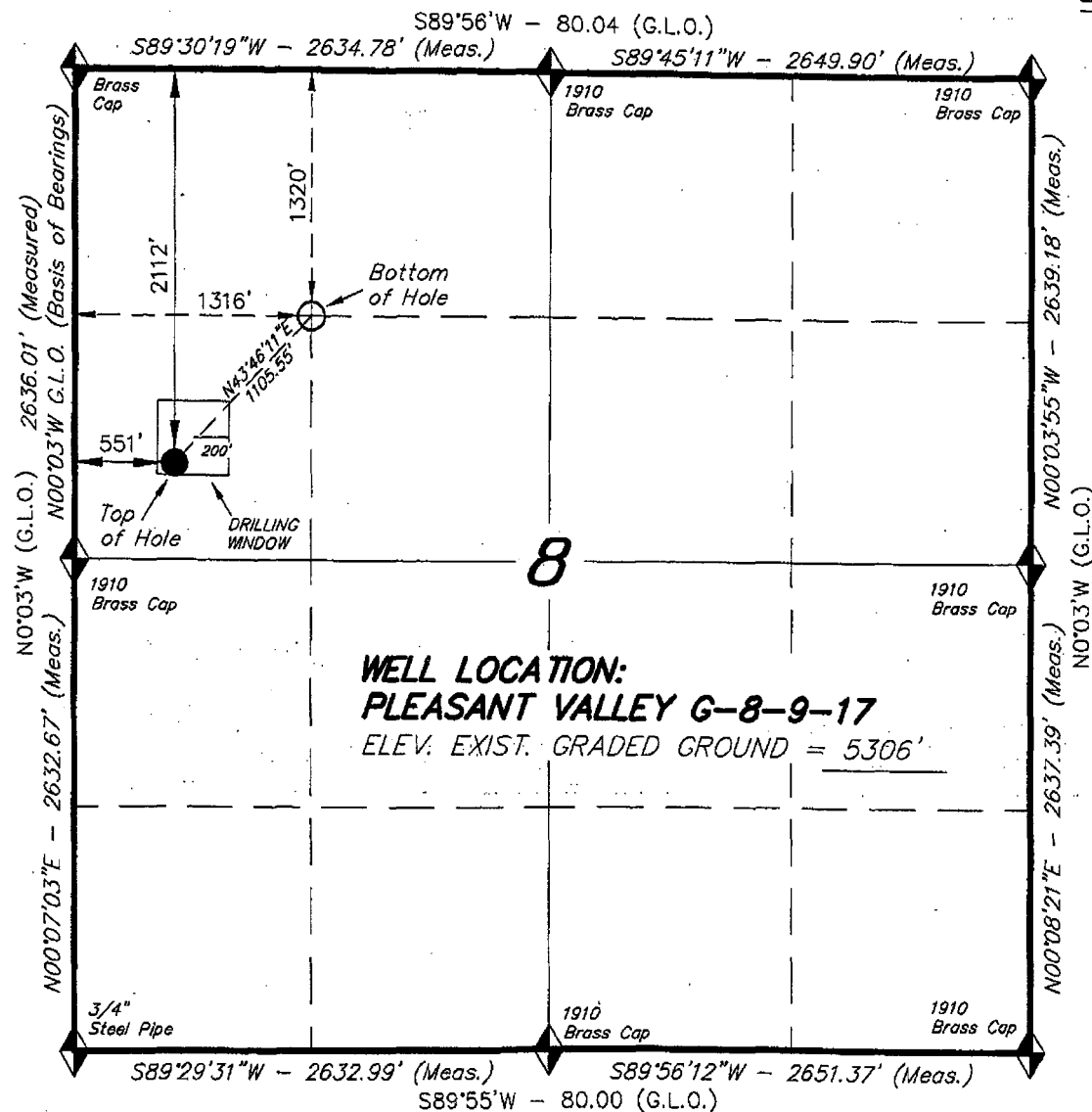
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

*Stacy W. Stewart*  
STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 189377  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 09-05-07	SURVEYED BY: R.R.
DATE DRAWN: 10-22-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**PLEASANT VALLEY G-8-9-17**  
(Surface Location) NAD 83  
LATITUDE = 40° 02' 48.66"  
LONGITUDE = 110° 02' 16.52"



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

January 31, 2008

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Pleasant Valley Federal G-8-9-17 Well, Surface Location 2112' FNL, 551' FWL,  
SW NW, Sec. 8, T. 9 South, R. 17 East, Bottom Location 1320' FNL, 1316' FWL,  
SW NW, Sec. 8, T. 9 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33883.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Office



Operator: Newfield Production Company  
Well Name & Number Pleasant Valley Federal G-8-9-17  
API Number: 43-013-33883  
Lease: UTU-10760

Surface Location: SW NW      Sec. 8      T. 9 South      R. 17 East  
Bottom Location: SW NW      Sec. 8      T. 9 South      R. 17 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281      (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Carroll 5/9/08

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator  
Newfield Production Company

3a. Address  
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface SW/NW 2112' FNL 551' FWL

At proposed prod. zone NE/NW 1189' FNL 1428' FWL

14. Distance in miles and direction from nearest town or post office\*

Approximately 14.4 miles southeast of Myton, Utah

15. Distance from proposed\*  
location to nearest  
property or lease line, ft.  
(Also to nearest drg. unit line, if any) Approx. 108' f/ise, 1189' f/unit

16. No. of Acres in lease

280.00

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
applied for, on this lease, ft. Approx. 1195'

19. Proposed Depth

6070'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5306' GL

22. Approximate date work will start\*  
1st Quarter 2008

23. Estimated duration  
Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan

3. A Surface Use Plan (if the location is on National Forest System Lands, the  
SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see  
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the  
authorized officer.

25. Signature

Name (Printed/Typed)

Date

Mandie Crozier

2/22/08

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

Date

JEFF KENOWKA

5-14-2008

Title

Assistant Field Manager  
Lands & Mineral Resources

Office

VERNAL FIELD OFFICE

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct  
operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United  
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

MAY 27 2008

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

<b>Company:</b>	<b>Newfield Production Company</b>	<b>Location:</b>	<b>SWNW, Sec. 8, T9S, R17E</b>
<b>Well No:</b>	<b>Pleasant Valley Federal G-8-9-17</b>	<b>Lease No:</b>	<b>Dh: NENW Sec.8,T9S,R17E</b>
<b>API No:</b>	<b>43-013-33883</b>	<b>Agreement:</b>	<b>UTU-10760</b>
			<b>Pleasant Valley Unit</b>

<b>Title</b>	<b>Name</b>	<b>Office Phone Number</b>	<b>Cell Phone Number</b>
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:		(435) 781-4475	(435) 828-4029
Supervisory NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Herford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7482
NRS/Enviro Scientist:		(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

**Fax: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.



**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**Site Specific COA's:**

1. **STIPULATIONS:** The proposed area contains Mountain Plover habitat. No construction, drilling, or fracing operations within known **Mountain Plover habitat from May 1 - June 15.**
- Comments:  
No new habitat for Pronghorn will be impacted. Oilfield activity in area is fairly high.

**CONDITIONS OF APPROVAL:**

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- **No surface disturbance outside of APD proposal is authorized. If other disturbance is necessary, authorization will be proposed in a sundry notice (Form 3160-5) to BLM Authorized Officer. *Sclerocactus* spp. surveys may be required prior to new surface disturbing activities including pipelines (surface and buried).**
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.

- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- Reclamation:

Interim seed mix:

Squirreltail grass	<i>Elymus elymoides</i>	5.0 lbs/acre
Hy-crest Crested wheatgrass	<i>Agropyron cristatum</i>	2.0 lbs/acre
Shadscale saltbush	<i>Atriplex confertifolia</i>	3.0 lbs/acre
Four-wing saltbush	<i>Atriplex canescens</i>	2.0 lbs/acre
Gardner's saltbush	<i>Atriplex gardneri</i>	0.5 lbs/acre

Final reclamation: seed mix: same as interim.

- All pounds are in pure live seed.
  - All seed and mulch will be certified weed free.
  - Drill seeding is the preferred method.
  - Rates are set for drill seeding; double the rate if broadcasting.
  - If broadcasting seed: The seed will be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain.
  - Reseeding may be required if initial seeding is not successful.
- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet

statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.

- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- None

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### ***SPUDDING INFORMATION***

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: PLEASANT VLY FED G-8-9-17

Api No: 43-013-33883 Lease Type: FEDERAL

Section 08 Township 09S Range 17E County DUCHESNE

Drilling Contractor ROSS DRILLING RIG # 21

### **SPUDDED:**

Date 07/31/08

Time 11:00 AM

How DRY

***Drilling will Commence:*** \_\_\_\_\_

Reported by SEAN STEVENS

Telephone # (435) 823-1162

Date 08/01/08 Signed CHD



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2112 FNL 551 FWL

SWNW Section 8 T9S R17E

5. Lease Serial No.

USA UTU-10760

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

PLEASANT VALLEY UNIT

8. Well Name and No.

PLEASANT VALLEY FEDERAL G-8-9-17

9. API Well No.

4301333883

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 31 Jul 2008 MIRU Ross # 21. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 325.36' KB.  
On 1 Aug 2008 cemented with 160 sks of class "G" w/ 2% CaCL<sub>2</sub> + 1/4# sk Cello- Flake Mixed @ 15.8 ppg & 1.17 cf/sk yield.  
Returned 6 bbls cement to pit. WOC.

RECEIVED

AUG 05 2008

~~DIV. OF OIL, GAS & MINING~~

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Sean Stevens

Signature

Title

Petroleum Engineer

Date

08/03/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

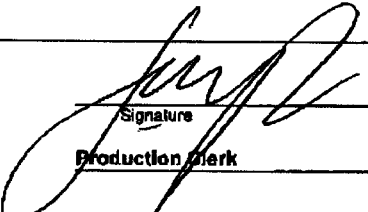
OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QD	SC	TP	RG			
B	99999	12277	4301333883	PLEASANT VALLEY FEDERAL G-8-9-17	SWNW	8	9S	17E	DUCHESNE	7/31/2008	8/14/08
WELL 1 COMMENTS: GRUV BHL = SWNW											
A	99999	17021	4304739659	UTE TRIBAL 12-5-6-2E	NWSW	5	6S	2E	UINTAH	8/1/2008	8/14/08
GRUV 12-6-5-2E 6 SS											
B	99999	13269	4301333779	SOUTH WELLS DRAW FEDERAL N-10-9-16	NWSW	10	9S	16E	DUCHESNE	8/2/2008	8/14/08
GRUV BHL = NWSW											
B	99999	12277	4301333896	PLEASANT VALLEY FEDERAL M-9-9-17	SWNE	9	9S	17E	DUCHESNE	8/4/2008	8/14/08
GRUV BHL = SENW.											
A	99999	17022	4304739949	UTE TRIBAL 4-1-5-1E	NWNW	1	5S	1E	DUCHESNE	8/4/2008	8/14/08
WELL 5 COMMENTS: GRUV 1 UINTAH											
B	99999	13269	4301333765	SOUTH WELLS DRAW FEDERAL L-10-9-16	NWSE	10	9S	16E	DUCHESNE	8/6/2008	8/14/08
WELL 4 COMMENTS: GRUV BHL = NWSE											

ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Signature:   
Production Clerk: Jennifer Park  
Date: 08/07/08

DIV. OF OIL, GAS & MINING

AUG 07 2008

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include area code)  
435 646 3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2112 FNL 551 FWL  
SWNW Section 8 T9S R17E

5. Lease Serial No.

USA UTU-10760

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
PLEASANT VALLEY UNIT

8. Well Name and No.  
PLEASANT VALLEY FEDERAL G-8-9-17

9. API Well No.  
4301333883

10. Field and Pool, or Exploratory Area  
MONUMENT BUTTE

11. County or Parish, State  
DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 8/19/08 MIRU Patterson Rig # 52. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 278'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6150'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 147 jt's of 5.5 J-55, 15.5# csgn. Set @ 6117.86'/KB. Cement with 350 sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 65 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 95,000 #'s tension. Release rig @ 6:00am on 8/27/08.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Jay Burton

Signature

Title

Drilling Foreman

Date

08/27/2008

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED**

SEP 02 2008

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

LAST CASING <u>8 5/8"</u> SET AT <u>325</u> DATUM <u>12' KB</u> DATUM TO CUT OFF CASING <u>12'</u> DATUM TO BRADENHEAD FLANGE _____ TO DRILLER <u>6150'</u> Logger <u>6108'</u> HOLE SIZE <u>7 7/8"</u>	CASING SET AT <u>6117.86</u> Flt cllr @ <u>6096.95'</u> OPERATOR <u>Newfield Production Company</u> WELL <u>Pleasant Valley Federal G-8-9-17</u> FIELD/PROSPECT <u>Monument Butte</u> CONTRACTOR & RIG # <u>Patterson Rig # 52</u>
--	---

**LOG OF CASING STRING:**

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		<b>7.41 set @ 4030'</b>					
<b>146</b>	<b>5 1/2"</b>	ETC LT & C casing	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	6083.7
		Float collar					0.6
<b>1</b>	<b>5 1/2"</b>	ETC LT&C csg	<b>15.5#</b>	<b>J-55</b>	<b>8rd</b>	<b>A</b>	20.91
		<b>GUIDE</b> shoe			<b>8rd</b>	<b>A</b>	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			6119.86
TOTAL LENGTH OF STRING		6119.86	147	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		209.24	5	CASING SET DEPTH			<b>6117.86</b>
TOTAL		<b>6313.85</b>	152	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6313.85	152				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		8/26/2008	9:00pm	GOOD CIRC THRU JOB <u>yes</u>			
CSG. IN HOLE		8/27/2008	2:30am	Bbls CMT CIRC TO SURFACE <u>65</u>			
BEGIN CIRC		8/27/2008	3:56am	RECIPROCATED PIPE FOR <u>THRUSTROKE</u> NO			
BEGIN PUMP CMT		8/27/2008	4:04am	DID BACK PRES. VALVE HOLD ? <u>yes</u>			
BEGIN DSPL. CMT		8/27/2008	4:58am	BUMPED PLUG TO <u>1730</u> PSI			
PLUG DOWN		8/27/2008	5:23am				

CEMENT USED		<b>B. J.</b>
STAGE	# SX	
<b>1</b>	<b>350</b>	Prem-lite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.49 cf/sk yield
<b>2</b>	<b>450</b>	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.		

COMPANY REPRESENTATIVE Jay Burton DATE 8/27/2008

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-10760
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY				6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR:		PHONE NUMBER		7. UNIT or CA AGREEMENT NAME: PLEASANT VALLEY UNIT
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		435.646.3721		8. WELL NAME and NUMBER: PLEASANT VALLEY FEDERAL G-8-9-17
4. LOCATION OF WELL:				9. API NUMBER: 4301333883
FOOTAGES AT SURFACE: 2112 FNL 551 FWL				10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 8, T9S, R17E				COUNTY: DUCHESNE
				STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 10/09/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 09-23-08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentn Park TITLE Production Clerk  
SIGNATURE DATE 10/09/2008

(This space for State use only)

RECEIVED

OCT 16 2008

DIV. OF OIL, GAS & MINING

**Daily Activity Report**

Format For Sundry

**PLSNT VLY G-8-9-17****7/1/2008 To 11/30/2008****9/10/2008 Day: 1****Completion**

Rigless on 9/9/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6051' cement top @ 30'. Perforate stage #1. CP3 @ 5770- 76', 5746- 54' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 56 shots. 145 BWTR. SIFN.

**9/11/2008 Day: 2****Completion**

Rigless on 9/10/2008 - Stage #1 CP3 sds. RU BJ Services. 720 psi on well. Frac CP3 sds w/ 30,549#'s of 20/40 sand in 412 bbls of Lightning 17 fluid. Broke @ 2364 psi. Treated w/ ave pressure of 2014 psi w/ ave rate of 22.5 BPM. ISIP 1865 psi. Leave pressure on well. 557 BWTR. Stage #2 A3 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 12' perf gun. Set plug @ 5300'. Perforate A3 sds @ 5180-92' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 48 shots. RU BJ Services. 1545 psi on well. Frac A3 sds w/ 50,902#'s of 20/40 sand in 459 bbls of Lightning 17 fluid. Broke @ 2185 psi. Treated w/ ave pressure of 2965 psi w/ ave rate of 22.2 BPM. ISIP 3842 psi. Leave pressure on well. 1016 BWTR. Stage #3 D2 sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 12' perf gun. Set plug @ 4850'. Perforate D2 sds @ 4760-72' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 48 shots. RU BJ Services. 1630 psi on well. Frac D2 sds w/ 35,813#'s of 20/40 sand in 370 bbls of Lightning 17 fluid. Broke @ 1806 psi. Treated w/ ave pressure of 1946 psi w/ ave rate of 22.3 BPM. ISIP 2060 psi. Leave pressure on well. 1386 BWTR. Stage #4 GB64/G sds. RU The Perforators, llc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 6', 22' & 8' perf guns. Set plug @ 4300'. Perforate GB6 sds @ 4220-28' & GB4 sds @ 4166-88' & 4154-60' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 144 shots. RU BJ Services. 1635 psi on well. Frac GB4/GB6 sds w/ 80,093#'s of 20/40 sand in 606 bbls of Lightning 17 fluid. Broke @ 1866 psi. Treated w/ ave pressure of 1774 psi w/ ave rate of 22.4 BPM. ISIP 1969 psi. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 6.5 hrs. & started bringing back oil. Recovered 950 bbls. SWIFN.

**9/19/2008 Day: 3****Completion**

Western #2 on 9/18/2008 - MIRU Western #2. Open well to pit. Well flowed for 1.5 hrs. RU wireline truck. Set composite kill plug @ 4086'. Bleed off well. ND Cameron BOP & 5 frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & 130 jts new 2 7/8" tbg. from pipe racks (tallying & drifting). Circulate well clean. SWIFN.

**9/20/2008 Day: 4****Completion**

Western #2 on 9/19/2008 - Cont. RIH w/ tbg. Tag CBP @ 4086'. RU powerswivel & pump. DU CBP in 17 min. Cont. RIH w/ tbg. Tag CBP @ 4300'. DU CBP in 23 min. Cont. RIH w/ tbg. Tag sand @ 4755'. C/O to CBP @ 4850'. DU CBP in 34 min. Cont.

RIH w/ tbg. Tag CBP @ 5300'. DU CBP in 13 min. Cont. RIH w/ tbg. Tag sand @ 5973'. C/O to PBTD @ 6086'. Circulate well clean. Pull up to 6004'. RIH w/ swab. SFL @ surface. Made 5 runs & well started flowing. Flowed well for 2 hrs. Recovered 104 total bbls. Ending oil cut @ 10%. SWIFN.

9/23/2008 Day: 5

Completion

Western #2 on 9/22/2008 - Bleed well off. RU pump to tbg. Kill tbg. w/ 40 bbls water. RIH w/ tbg. Tag PBTD @ 6086'. Circulate well clean. POOH w/ tbg. LD BHA. RIH w/ 2 7/8" notched collar, 2 7/8" notched collar, PSN, 2 jts 2 7/8" tbg., 5 1/2" TAC, 5 jts 2 7/8" tbg. Well started flowing. Attempt to kill well w/ 25 bbls water w/ no luck. Bullhead 80 bbls 10# brine water into well. Cont. RIH w/ production string (had to stop & pump brine down well 3 times). Pumped total of 240 bbls 10# brine in well. ND BOP. Set TAC @ 5702' w/ 16,000# tension. NU wellhead. X-over for rods. SWIFN.

9/24/2008 Day: 6

Completion

Western #2 on 9/23/2008 - Bleed off tbg. Flush tbg. w/ 60 bbls water. RIH w/ CDI 2 1/2" X 1 3/4" X 20' RHAC, 4- 1 1/2" wt bars, 226- 7/8" guided rods (8 per), 1-8', 1-2' X 7/8" pony rods, 1 1/2" X 26' polish rod. Space out rods, Hang head. Tbg was full. Pressure test w/ unit to 800 psi, good. RDMOSU. POP @ 1:00 PM w/ 172" SL @ 5 SPM. FINAL REPORT!!!

Pertinent Files: Go to File List

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

## 1a. TYPE OF WORK

OIL  
WELLGAS  
WELL

DRY



Other

## 1b. TYPE OF WELL

NEW  
WELLWORK  
OVER

DEEPEN

PLUG  
BACKDIFF  
RESVR.

Other

## 2. NAME OF OPERATOR

Newfield Exploration Company

## 3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

## 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface

2112' FNL &amp; 551' FWL (SW/NW) Sec. 8, T9S, R17E

At top prod. Interval reported below

At total depth

1264' FNL 1358' FWL

14. API NO.

43-013-33883

DATE ISSUED

1/31/08

15. DATE SPUDDED  
7/31/0816. DATE T.D. REACHED  
8/26/0817. DATE COMPL. (Ready to prod.)  
9/23/0818. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*  
5306' GL12. COUNTY OR PARISH  
Duchesne13. STATE  
UT19. ELEV. CASINGHEAD  
5318' KB

20. TOTAL DEPTH, MD &amp; TVD

6150' 6016

21. PLUG BACK T.D., MD &amp; TVD

6086' 5952

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY  
----->

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

Green River 4154-5776'

25. WAS DIRECTIONAL  
SURVEY MADE  
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED  
No

## 23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	325.36'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6117.86'	7-7/8"	350 sx Premite II and 450 sx 50/50 Poz	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5828'	TA @ 5703'

## 31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP3) 5770-76', 5746-54'	.49"	4/56	5746-5776'	Frac w/ 30549# 20/40 sand in 412 bbls fluid
(A3) 5180-92'	.49"	4/48	5180-5192'	Frac w/ 50902# 20/40 sand in 459 bbls fluid
(D2) 4760-72'	.49"	4/48	4760-4772'	Frac w/ 35813# 20/40 sand in 370 bbls fluid
(GB6) 4220-28' & (GB4) 4166-88', 4154-60'	.49"	4/144	4154-4228'	Frac w/ 80093# 20/40 sand in 606 bbls fluid

## 33.\* PRODUCTION

DATE FIRST PRODUCTION 9/23/08		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-3/4" x 20' RHAC Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10/11/08	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 128	GAS--MCF. 80	WATER--BBL. 40		GAS-OIL RATIO 625
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL-BBL.	GAS--MCF.	WATER--BBL.		OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold &amp; Used for Fuel

RECEIVED

35. LIST OF ATTACHMENTS

OCT 27 2008

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Tammi Lee

TITLE

Production Clerk DIV. OF OIL, GAS &amp; MINING DATE 10/20/2008

Tammi Lee

TL

\*(See Instructions and Spaces for Additional Data on Reverse Side)



37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name PLEASANT VALLEY FEDERAL G-8-9-17	Garden Gulch Mkr	3662'	
				Garden Gulch 1	3851'	
				Garden Gulch 2	3983'	
				Point 3 Mkr	4256'	
				X Mkr	4510'	
				Y-Mkr	4546'	
				Douglas Creek Mkr	4678'	
				BiCarbonate Mkr	4922'	
				B Limestone Mkr	5048'	
				Castle Peak	5554'	
				Basal Carbonate	5996'	
				Total Depth (LOGGERS)	6108'	

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 8**

**PLSNT VALLEY G-8-9-17**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**30 September, 2008**

**HATHAWAY HB BURNHAM**  
DIRECTIONAL & MWD SERVICES



# Hathaway Burnham

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 8  
**Well:** PLSNT VALLEY G-8-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well PLSNT VALLEY G-8-9-17  
**TVD Reference:** G-8-9-17 @ 5318.0ft (PATTERSON 52 KB)  
**MD Reference:** G-8-9-17 @ 5318.0ft (PATTERSON 52 KB)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

**Project** USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

**Map System:** US State Plane 1983  
**Geo Datum:** North American Datum 1983  
**Map Zone:** Utah Central Zone

**System Datum:** Mean Sea Level  
**Using geodetic scale factor**

**Site** SECTION 8, SEC 8 T9S, R17E

**Site Position:**  
**From:** Lat/Long  
**Position Uncertainty:** 0.0 ft  
**Northing:** 7,189,610.00ft  
**Easting:** 2,051,781.00ft  
**Slot Radius:** "  
**Latitude:** 40° 2' 53.026 N  
**Longitude:** 110° 1' 49.660 W  
**Grid Convergence:** 0.94 °

**Well** PLSNT VALLEY G-8-9-17, SHL LAT: 40 02' 48.66", LONG: 110 02' 16.52"

**Well Position** +N/-S 0.0 ft **Northing:** 7,189,134.10 ft **Latitude:** 40° 2' 48.660 N  
+E/-W 0.0 ft **Easting:** 2,049,699.85 ft **Longitude:** 110° 2' 16.520 W  
**Position Uncertainty** 0.0 ft **Wellhead Elevation:** 5,318.0 ft **Ground Level:** 5,306.0 ft

**Wellbore** Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	7/9/2008	11.67	65.88	52,592

**Design** Wellbore #1

**Audit Notes:**

**Version:** 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	43.54

**Survey Program** Date: 9/30/2008

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
394.0	6,100.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
394.0	0.40	211.50	394.0	-1.2	-0.7	-1.3	0.10	0.10	0.00
426.0	0.40	142.60	426.0	-1.4	-0.7	-1.5	1.41	0.00	-215.31
458.0	1.00	82.90	458.0	-1.4	-0.4	-1.3	2.72	1.88	-186.56
486.0	1.40	91.60	486.0	-1.4	0.2	-0.9	1.57	1.43	31.07
516.0	2.10	81.60	516.0	-1.3	1.1	-0.2	2.54	2.33	-33.33
547.0	2.00	67.50	547.0	-1.0	2.2	0.8	1.65	-0.32	-45.48
577.0	2.20	52.00	576.9	-0.5	3.1	1.8	2.00	0.67	-51.67
608.0	2.60	40.70	607.9	0.4	4.1	3.1	1.99	1.29	-36.45
638.0	3.20	38.30	637.9	1.6	5.0	4.6	2.04	2.00	-8.00
668.0	3.20	44.00	667.8	2.9	6.1	6.3	1.06	0.00	19.00
699.0	3.50	40.10	698.8	4.2	7.3	8.1	1.21	0.97	-12.58
730.0	3.50	37.40	729.7	5.7	8.5	10.0	0.53	0.00	-8.71



# Hathaway Burnham

## Survey Report



Company: NEWFIELD EXPLORATION  
Project: USGS Myton SW (UT)  
Site: SECTION 8  
Well: PLSNT VALLEY G-8-9-17  
Wellbore: Wellbore #1  
Design: Wellbore #1

Local Co-ordinate Reference: Well PLSNT VALLEY G-8-9-17  
TVD Reference: G-8-9-17 @ 5318.0ft (PATTERSON 52 KB)  
MD Reference: G-8-9-17 @ 5318.0ft (PATTERSON 52 KB)  
North Reference: True  
Survey Calculation Method: Minimum Curvature  
Database: EDM 2003.21 Single User Db

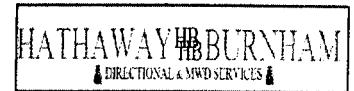
### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
761.0	3.90	35.60	760.6	7.3	9.7	12.0	1.34	1.29	-5.81
792.0	4.40	30.10	791.6	9.2	10.9	14.2	2.06	1.61	-17.74
823.0	4.40	32.20	822.5	11.2	12.1	16.5	0.52	0.00	6.77
857.0	4.40	28.30	856.4	13.5	13.5	19.0	0.88	0.00	-11.47
884.0	4.80	23.70	883.3	15.4	14.4	21.1	2.01	1.48	-17.04
916.0	5.30	27.80	915.2	17.9	15.6	23.8	1.93	1.56	12.81
948.0	5.30	25.30	947.0	20.6	17.0	26.6	0.72	0.00	-7.81
980.0	5.40	26.80	978.9	23.3	18.3	29.4	0.54	0.31	4.69
1,011.0	5.90	24.00	1,009.7	26.0	19.6	32.3	1.84	1.61	-9.03
1,043.0	6.40	23.30	1,041.6	29.2	20.9	35.6	1.58	1.56	-2.19
1,074.0	6.80	28.00	1,072.3	32.4	22.5	39.0	2.17	1.29	15.16
1,106.0	7.30	33.00	1,104.1	35.7	24.5	42.8	2.47	1.56	15.63
1,138.0	7.40	36.10	1,135.8	39.1	26.8	46.8	1.28	0.31	9.69
1,170.0	8.00	34.80	1,167.6	42.6	29.3	51.1	1.95	1.88	-4.06
1,202.0	8.70	35.50	1,199.2	46.4	32.0	55.7	2.21	2.19	2.19
1,234.0	8.80	37.50	1,230.8	50.3	34.9	60.5	1.00	0.31	6.25
1,265.0	9.20	39.60	1,261.5	54.1	37.9	65.3	1.67	1.29	6.77
1,297.0	9.50	39.50	1,293.0	58.1	41.2	70.5	0.94	0.94	-0.31
1,329.0	10.10	40.70	1,324.6	62.3	44.7	75.9	1.98	1.88	3.75
1,361.0	10.00	41.90	1,356.1	66.5	48.4	81.5	0.73	-0.31	3.75
1,392.0	9.90	42.20	1,386.6	70.5	52.0	86.9	0.36	-0.32	0.97
1,424.0	9.90	42.00	1,418.1	74.5	55.7	92.4	0.11	0.00	-0.63
1,456.0	9.70	41.20	1,449.7	78.6	59.3	97.8	0.76	-0.63	-2.50
1,488.0	9.50	44.00	1,481.2	82.5	62.9	103.2	1.59	-0.63	8.75
1,519.0	9.80	44.00	1,511.8	86.3	66.5	108.4	0.97	0.97	0.00
1,551.0	9.90	46.00	1,543.3	90.1	70.4	113.8	1.11	0.31	6.25
1,583.0	10.20	42.90	1,574.8	94.1	74.3	119.4	1.93	0.94	-9.69
1,615.0	11.30	44.10	1,606.3	98.5	78.4	125.4	3.51	3.44	3.75
1,646.0	11.70	44.30	1,636.6	102.9	82.7	131.6	1.30	1.29	0.65
1,679.0	11.20	39.30	1,669.0	107.8	87.1	138.1	3.37	-1.52	-15.15
1,710.0	11.30	41.50	1,699.4	112.4	91.0	144.1	1.42	0.32	7.10
1,742.0	12.20	41.90	1,730.7	117.2	95.3	150.6	2.82	2.81	1.25
1,774.0	12.90	41.30	1,761.9	122.4	99.9	157.6	2.23	2.19	-1.88
1,806.0	13.30	42.80	1,793.1	127.8	104.8	164.8	1.64	1.25	4.69
1,838.0	13.80	43.90	1,824.2	133.3	109.9	172.3	1.76	1.56	3.44
1,870.0	14.70	44.40	1,855.2	138.9	115.4	180.2	2.84	2.81	1.56
1,901.0	14.20	42.10	1,885.3	144.6	120.7	188.0	2.46	-1.61	-7.42
1,996.0	14.20	43.90	1,977.4	161.6	136.6	211.3	0.46	0.00	1.89
2,092.0	13.90	42.00	2,070.5	178.7	152.5	234.6	0.57	-0.31	-1.98
2,187.0	14.70	46.50	2,162.5	195.4	168.9	258.0	1.44	0.84	4.74
2,282.0	13.60	46.40	2,254.7	211.4	185.7	281.2	1.16	-1.16	-0.11
2,377.0	14.40	46.80	2,346.8	227.2	202.4	304.1	0.85	0.84	0.42
2,472.0	13.60	47.60	2,439.0	242.8	219.3	327.1	0.87	-0.84	0.84
2,568.0	13.80	46.10	2,532.3	258.4	235.9	349.8	0.42	0.21	-1.56
2,663.0	14.60	47.20	2,624.4	274.4	252.8	373.0	0.89	0.84	1.16
2,757.0	14.30	44.20	2,715.4	290.8	269.6	396.5	0.86	-0.32	-3.19
2,852.0	14.70	45.50	2,807.4	307.6	286.4	420.3	0.54	0.42	1.37
2,947.0	14.10	45.20	2,899.4	324.2	303.2	443.9	0.64	-0.63	-0.32
3,043.0	13.60	40.00	2,992.6	341.1	318.7	466.8	1.40	-0.52	-5.42
3,138.0	14.60	46.40	3,084.7	357.9	334.6	489.9	1.95	1.05	6.74
3,231.0	14.90	46.50	3,174.7	374.2	351.7	513.6	0.32	0.32	0.11
3,327.0	14.50	46.10	3,267.5	391.1	369.4	537.9	0.43	-0.42	-0.42
3,423.0	13.40	41.80	3,360.7	407.7	385.4	561.0	1.57	-1.15	-4.48
3,517.0	13.70	41.70	3,452.1	424.1	400.1	583.1	0.32	0.32	-0.11



# Hathaway Burnham

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 8  
**Well:** PLSNT VALLEY G-8-9-17  
**Wellbore:** Wellbore #1  
**Design:** Wellbore #1

**Local Co-ordinate Reference:** Well PLSNT VALLEY G-8-9-17  
**TVD Reference:** G-8-9-17 @ 5318.0ft (PATTERSON 52 KB)  
**MD Reference:** G-8-9-17 @ 5318.0ft (PATTERSON 52 KB)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,611.0	13.10	40.90	3,543.5	440.5	414.5	604.8	0.67	-0.64	-0.85
3,707.0	13.60	38.30	3,636.9	457.6	428.6	626.9	0.81	0.52	-2.71
3,802.0	13.80	35.90	3,729.2	475.5	442.2	649.3	0.63	0.21	-2.53
3,871.0	13.89	34.15	3,796.2	489.0	451.6	665.6	0.62	0.13	-2.54
3,966.0	14.79	33.05	3,888.3	508.6	464.7	688.8	0.99	0.95	-1.16
4,061.0	14.17	34.96	3,980.3	528.3	477.9	712.2	0.82	-0.65	2.01
4,156.0	13.36	36.48	4,072.5	546.7	491.1	734.6	0.93	-0.85	1.60
4,251.0	14.77	40.26	4,164.7	564.7	505.5	757.6	1.77	1.48	3.98
4,346.0	14.99	45.02	4,256.5	582.7	522.0	781.9	1.31	0.23	5.01
4,439.0	14.33	44.56	4,346.5	599.4	538.6	805.5	0.72	-0.71	-0.49
4,534.0	14.06	44.65	4,438.6	616.0	554.9	828.8	0.29	-0.28	0.09
4,630.0	14.17	46.12	4,531.7	632.4	571.6	852.2	0.39	0.11	1.53
4,724.0	14.08	43.88	4,622.8	648.6	587.8	875.1	0.59	-0.10	-2.38
4,819.0	13.54	42.63	4,715.1	665.1	603.4	897.8	0.65	-0.57	-1.32
4,914.0	14.02	45.16	4,807.3	681.4	619.0	920.4	0.81	0.51	2.66
5,009.0	13.91	46.21	4,899.5	697.4	635.4	943.3	0.29	-0.12	1.11
5,104.0	13.80	47.90	4,991.8	712.9	652.1	966.0	0.44	-0.12	1.78
5,200.0	14.83	47.57	5,084.8	728.9	669.7	989.7	1.08	1.07	-0.34
5,295.0	14.35	47.09	5,176.7	745.1	687.3	1,013.6	0.52	-0.51	-0.51
5,390.0	13.75	45.93	5,268.9	761.0	704.0	1,036.6	0.70	-0.63	-1.22
5,423.8	13.58	46.10	5,301.7	766.5	709.7	1,044.6	0.52	-0.51	0.49
<b>G-8-9-17 TGT</b>									
5,485.0	13.27	46.41	5,361.3	776.4	720.0	1,058.8	0.52	-0.51	0.51
5,580.0	12.28	47.70	5,453.9	790.7	735.4	1,079.7	1.08	-1.04	1.36
5,675.0	11.32	49.09	5,546.9	803.6	749.9	1,099.1	1.05	-1.01	1.46
5,770.0	10.55	50.30	5,640.2	815.2	763.6	1,117.0	0.85	-0.81	1.27
5,865.0	9.78	52.32	5,733.7	825.7	776.7	1,133.6	0.89	-0.81	2.13
5,961.0	9.30	52.25	5,828.4	835.5	789.3	1,149.3	0.50	-0.50	-0.07
6,056.0	8.90	53.84	5,922.2	844.5	801.3	1,164.2	0.50	-0.42	1.67
6,100.0	8.33	54.30	5,965.7	848.4	806.6	1,170.6	1.30	-1.30	1.05

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

H	HEADER	INFORMATION	-----					
H	COMPANY	:	NEWFIELD EXPLORATION					
H	FIELD	:	USGS	Myton	SW	(UT)		
H	SITE	:	SECTION		8			
H	WELL	:	PLSNT	VALLEY	G-8-9-17			
H	WELLPATH:	Wellbore	#1					
H	DEPTHUNT:	ft						
H	SURVDATE:	8/28/2008						
H	DECLINATION	CORR.						
H	=	10.73 TO	GRIDH-----					
H	WELL	INFORMATION						
H	WELL	EW	MAP	:	2049700			
H	WELL	NS	MAP	:	7189134			
H	DATUM	ELEVN	:	5318				
H	VSECT	ANGLE	:	43.54				
H	VSECT	NORTH	:	0				
H	VSECT	EAST	:	0				
H	-----							
H	SURVEY	TYPE	INFORMATION					
H		394 -	6100 SURVEY	#1	:	MWD		
H	-----							
H	SURVEY	LIST						
MD	INC	AZI	TVD	NS	EW	VS	DLS	
	0	0	0	0	0	0	0	
	394	0.4	211.5	394	-1.17	-0.72	-1.35	
	426	0.4	142.6	426	-1.36	-0.71	-1.47	
	458	1	82.9	457.99	-1.41	-0.36	-1.27	
	486	1.4	91.6	485.99	-1.39	0.22	-0.86	
	516	2.1	81.6	515.97	-1.32	1.13	-0.18	
	547	2	67.5	546.95	-1.03	2.19	0.76	
	577	2.2	52	576.93	-0.48	3.13	1.81	
	608	2.6	40.7	607.91	0.42	4.06	3.1	
	638	3.2	38.3	637.87	1.6	5.02	4.62	
	668	3.2	44	667.82	2.86	6.12	6.29	
	699	3.5	40.1	698.77	4.2	7.33	8.1	
	730	3.5	37.4	729.71	5.68	8.51	9.98	
	761	3.9	35.6	760.65	7.29	9.7	11.97	
	792	4.4	30.1	791.57	9.17	10.91	14.17	
	823	4.4	32.2	822.47	11.21	12.14	16.49	
	857	4.4	28.3	856.37	13.46	13.46	19.03	
	884	4.8	23.7	883.29	15.41	14.4	21.09	
	916	5.3	27.8	915.16	17.94	15.63	23.77	
	948	5.3	25.3	947.03	20.58	16.95	26.6	
	980	5.4	26.8	978.89	23.26	18.26	29.44	
	1011	5.9	24	1009.74	26.02	19.57	32.34	
	1043	6.4	23.3	1041.55	29.16	20.94	35.56	
	1074	6.8	28	1072.35	32.37	22.49	38.95	
							2.17	

1106	7.3	33	1104.1	35.75	24.48	42.78	2.47
1138	7.4	36.1	1135.84	39.12	26.8	46.82	1.28
1170	8	34.8	1167.55	42.61	29.29	51.06	1.95
1202	8.7	35.5	1199.21	46.41	31.97	55.66	2.21
1234	8.8	37.5	1230.84	50.32	34.86	60.49	1
1265	9.2	39.6	1261.46	54.11	37.88	65.32	1.67
1297	9.5	39.5	1293.03	58.12	41.19	70.51	0.94
1329	10.1	40.7	1324.57	62.29	44.7	75.95	1.98
1361	10	41.9	1356.08	66.48	48.39	81.53	0.73
1392	9.9	42.2	1386.61	70.46	51.98	86.88	0.36
1424	9.9	42	1418.13	74.54	55.67	92.38	0.11
1456	9.7	41.2	1449.67	78.61	59.28	97.82	0.76
1488	9.5	44	1481.22	82.54	62.89	103.16	1.59
1519	9.8	44	1511.78	86.28	66.5	108.35	0.97
1551	9.9	46	1543.31	90.15	70.37	113.83	1.11
1583	10.2	42.9	1574.82	94.14	74.28	119.41	1.93
1615	11.3	44.1	1606.26	98.46	78.39	125.38	3.51
1646	11.7	44.3	1636.63	102.89	82.7	131.56	1.3
1679	11.2	39.3	1668.98	107.77	87.07	138.1	3.37
1710	11.3	41.5	1699.38	112.37	90.99	144.14	1.42
1742	12.2	41.9	1730.71	117.24	95.32	150.65	2.82
1774	12.9	41.3	1761.95	122.44	99.94	157.6	2.23
1806	13.3	42.8	1793.11	127.82	104.8	164.85	1.64
1838	13.8	43.9	1824.22	133.27	109.94	172.35	1.76
1870	14.7	44.4	1855.24	138.92	115.43	180.22	2.84
1901	14.2	42.1	1885.26	144.56	120.73	187.96	2.46
1996	14.2	43.9	1977.35	161.6	136.62	211.26	0.46
2092	13.9	42	2070.48	178.65	152.5	234.56	0.57
2187	14.7	46.5	2162.54	195.43	168.88	258	1.44
2282	13.6	46.4	2254.66	211.43	185.71	281.2	1.16
2377	14.4	46.8	2346.84	227.22	202.41	304.15	0.85
2472	13.6	47.6	2439.01	242.84	219.27	327.08	0.87
2568	13.8	46.1	2532.28	258.39	235.86	349.78	0.42
2663	14.6	47.2	2624.38	274.38	252.81	373.05	0.89
2757	14.3	44.2	2715.41	290.75	269.59	396.48	0.86
2852	14.7	45.5	2807.38	307.61	286.37	420.25	0.54
2947	14.1	45.2	2899.4	324.21	303.18	443.87	0.64
3043	13.6	40	2992.61	341.1	318.73	466.82	1.4
3138	14.6	46.4	3084.75	357.91	334.58	489.93	1.95
3231	14.9	46.5	3174.68	374.23	351.75	513.58	0.32
3327	14.5	46.1	3267.54	391.06	369.36	537.91	0.43
3423	13.4	41.8	3360.71	407.68	385.43	561.04	1.57
3517	13.7	41.7	3452.1	424.11	400.1	583.05	0.32
3611	13.1	40.9	3543.54	440.48	414.48	604.82	0.67
3707	13.6	38.3	3636.94	457.56	428.6	626.93	0.81
3802	13.8	35.9	3729.24	475.5	442.16	649.28	0.63
3871	13.89	34.15	3796.24	489.02	451.64	665.61	0.62

3966	14.79	33.05	3888.28	508.62	464.65	688.78	0.99
4061	14.17	34.96	3980.26	528.32	477.93	712.2	0.82
4156	13.36	36.48	4072.53	546.67	491.12	734.59	0.93
4251	14.77	40.26	4164.68	564.74	505.47	757.58	1.77
4346	14.99	45.02	4256.5	582.67	521.99	781.95	1.31
4439	14.33	44.56	4346.47	599.37	538.57	805.48	0.72
4534	14.06	44.65	4438.57	615.95	554.93	828.77	0.29
4630	14.17	46.12	4531.67	632.4	571.59	852.17	0.39
4724	14.08	43.88	4622.83	648.61	587.81	875.1	0.59
4819	13.54	42.63	4715.08	665.12	603.35	897.77	0.65
4914	14.02	45.16	4807.35	681.42	619.05	920.39	0.81
5009	13.91	46.21	4899.54	697.44	635.45	943.3	0.29
5104	13.8	47.9	4991.78	712.93	652.1	966.01	0.44
5200	14.83	47.57	5084.8	728.9	669.66	989.68	1.08
5295	14.35	47.09	5176.73	745.12	687.26	1013.56	0.52
5390	13.75	45.93	5268.89	760.99	703.99	1036.59	0.7
5485	13.27	46.41	5361.26	776.36	720	1058.76	0.52
5580	12.28	47.7	5453.91	790.67	735.37	1079.72	1.08
5675	11.32	49.09	5546.9	803.58	749.89	1099.08	1.05
5770	10.55	50.3	5640.18	815.24	763.63	1117	0.85
5865	9.78	52.32	5733.68	825.73	776.71	1133.61	0.89
5961	9.3	52.25	5828.36	835.46	789.29	1149.33	0.5
6056	8.9	53.84	5922.16	844.5	801.3	1164.15	0.5
6100	8.33	54.3	5965.66	848.37	806.63	1170.63	1.3

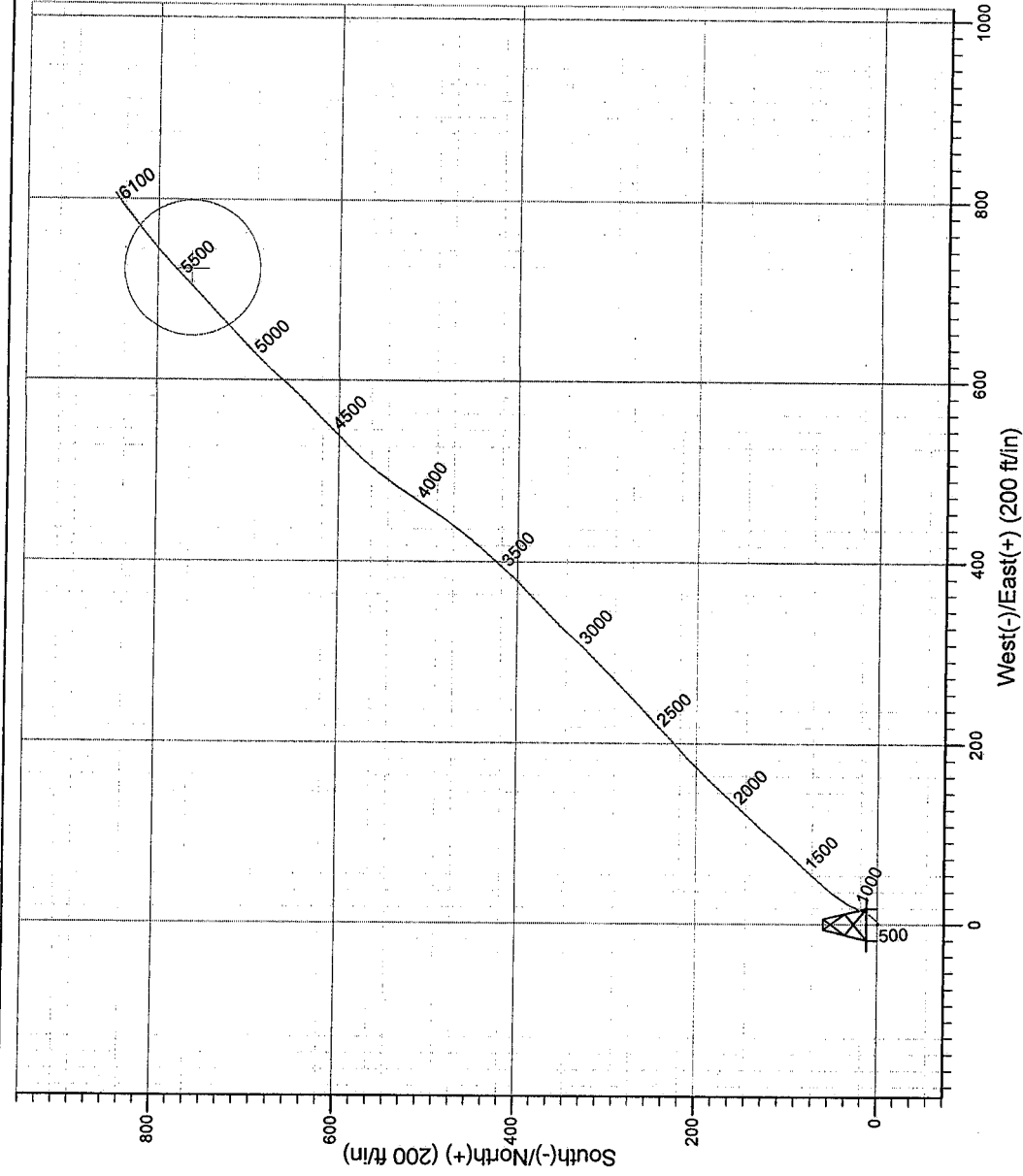
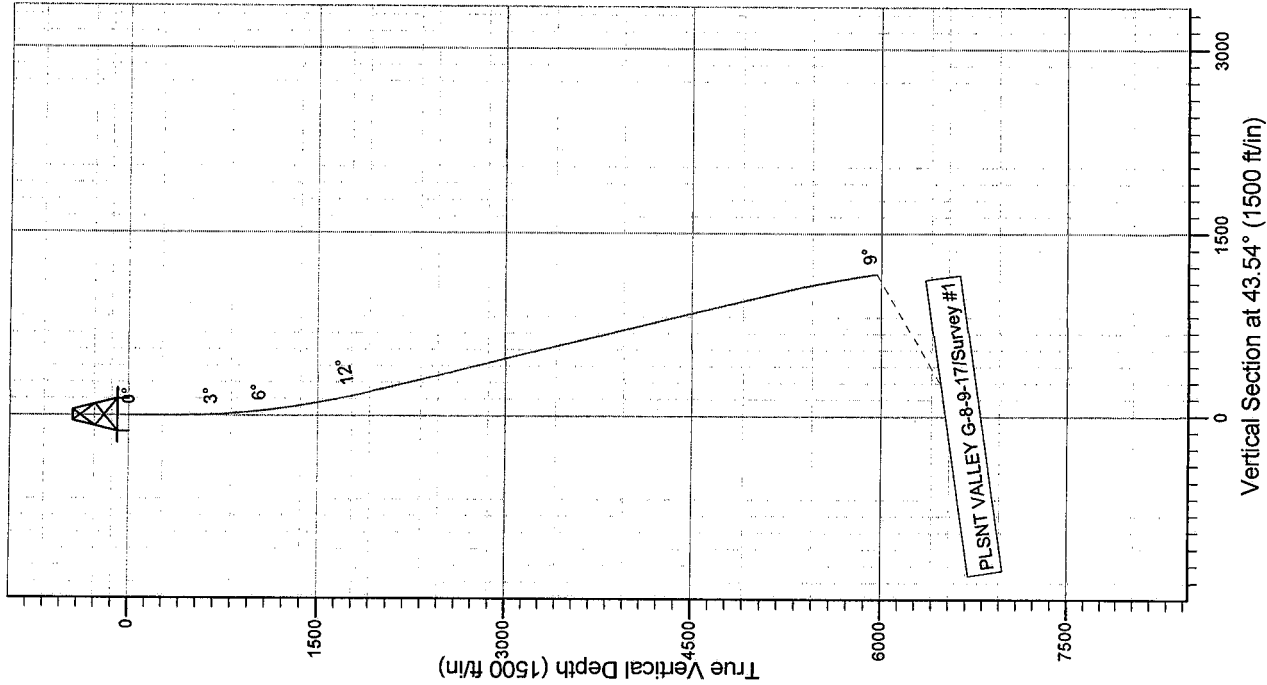




Project: USGS Myton SW (UT)  
Site: SECTION 8  
Well: PLSNT VALLEY  
Wellbore: Wellbore #1  
Design: Wellbore #1

FINAL SURVEY REPORT

Azimuths to True North  
Magnetic North: 11.67°  
Magnetic Field  
Strength: 52591.8nT  
Dip Angle: 65.88°  
Date: 7/9/2008  
Model: IGRF200510



**HATHAWAY BURNHAM**  
DIRECTIONAL & MWD SERVICES

Survey: Survey #1 (PLSNT VALLEY G-8-9-17/Wellbore #1)

Created By: *Jim Hudson*

Date: 8:40, September 30 2008

THIS SURVEY IS CORRECT TO THE BEST OF MY  
KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD  
DATA.